

# **ASBESTOS INSPECTION REPORT**

# Limited Pre-Renovation Asbestos Inspection Report

## Project Location:

**27 Chandler Street  
Buffalo, NY 14207**

Project ID: 19-0102DB-A

*Conditions as of: January 2<sup>nd</sup>, 2019*

## Prepared for:

Rocco Termini  
Signature Development

## Prepared by:



### **AMD Environmental Consultants, Inc.**

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Buffalo, NY 14202

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January 7<sup>th</sup>, 2018

Rocco Termini  
Signature Development

**Re: Limited Pre-Renovation Asbestos Inspection Report  
27 Chandler Street  
Buffalo, NY 14207  
AMD Project ID: 19-0102DB-A**

Mr., Termini:

I am pleased to present this summary of asbestos survey services at the above referenced address.

**AMD Environmental Consultants conducted a limited pre-renovation asbestos inspection in areas of planned renovations only at the above referenced address on January 2<sup>nd</sup>, 2018. Roofing was not tested during this inspection per clients request. Asbestos containing materials (ACM) were identified above 1% in materials that were sampled. For more detail refer to the summary on page 4.**

New York State asbestos regulations (12 NYCRR 56-5) require that asbestos surveys are conducted in order to determine whether or not the building or structure, or portion(s) thereof to be demolished, renovated, remodeled, contains asbestos containing building materials (ACBM), or presumed asbestos containing materials (PACM). These regulations also require that a copy of the pre-renovation survey be forwarded to the local New York State Department of Labor (NYSDOL) Asbestos Control Bureau immediately upon completion of the survey (Buffalo Office: 65 Court Street, Rm. 405, Buffalo, NY 14202). **If requested to AMD in writing, a copy of the survey will be submitted on your behalf to the NYSDOL, otherwise a copy must be submitted by the owner.**

AMD Environmental Consultants, Inc. surveys are intended to determine, to a reasonable extent, the presence, location, quantity, and condition of accessible asbestos containing materials (surfacing, thermal systems insulation, and miscellaneous materials). The information contained herein is representative of conditions found onsite during the date/time this survey was conducted. Environmental conditions, renovation, vandalism, etc. may alter conditions from the date/time that this survey was conducted, potentially creating new hazards.

Please do not hesitate to contact me if I may provide any additional information.

Sincerely,

Anthony DeMiglio  
President



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## **1.0 Asbestos Inspection**

### **1.1 Introduction**

AMD Environmental Consultants, Inc (AMD) was retained by Signature Development to inspect the building located at 27 Chandler Street, Buffalo, NY for the presence of materials suspected of containing asbestos in areas of planned renovations.

AMD was assigned to:

- Locate suspect asbestos containing materials (ACM),
- Sample these materials to determine asbestos content, and
- Identify the locations and estimated quantities of the confirmed asbestos containing materials.

The information following this introduction details the amount of asbestos present in this facility and the location of the ACBM (asbestos containing building materials). Although the report is a comprehensive analysis of the asbestos inspection work performed, it would be helpful to review all applicable federal, state and local rules, laws and regulations regarding the handling and treatment of ACBM.

The following is a list of suggested reading and information sources relating to asbestos:

- New York State Department of Labor Industrial Code Rule 56
- National Emission Standard for Hazardous Air Pollutants (NESHAPS)
- Occupational Safety and Health Administration
- (OSHA 1926.1101, 1910.134, 1910.1020, 1910.1200, 1910.145, 1910.95, 1926.58)
- Environmental Protection Agency rule CFR763.46 Asbestos Hazard Emergency Response Act



## 1.2 Executive Summary

The scope of services included the identification of suspect asbestos containing building materials in areas of planned renovations; sampling and analysis of the suspect materials; and identifying the locations, estimated quantities, and condition of the confirmed asbestos containing materials.

Sampling and analysis of the suspect materials under Polarized Light Microscopy (PLM) ,and where necessary, under Transmission Electron Microscopy (TEM), revealed the following materials as asbestos containing building materials (ACBM):

### ASBESTOS CONTAINING MATERIALS SUMMARY

HAN	Material Description	SID (Space Identification Number)	Estimated Quantity SF*	Friability/ Condition
602	Interior Window Glaze	3001,3003 Original Metal Frame Windows	<10 Sq. Ft.	NF/D
606	Repair Tar on Building	Exterior West Side of Building-On Brick	25 Sq. Ft.	NF/D

\*Quantities are approximate, and are only associated with areas of planned renovation. Additional asbestos containing materials may be located outside areas of planned renovation that were not surveyed, assessed or quantified during this inspection.

Note 1: Materials were assumed to contain asbestos based on AMD Environmental's experience on similar projects and must be managed as such until proven otherwise.

### KEY TERMS AND DEFINITIONS:

HAN= Homogenous Area Number; number assigned to categorize materials of like composition, texture and appearance

SID=Space Identification Number: Sample Locations

Friability/Condition:

F= Friable: a material that when dry, can be crumbled, pulverized, or reduced to powder by hand pressure, or is capable of being released into the air by hand pressure.

NF= Non Friable: a material that when dry, cannot be crumbled, pulverized, or reduced to powder by hand pressure, or is incapable of being released into the air by hand pressure.

I= Intact: Asbestos material that has not crumbled, been pulverized, or otherwise been damaged or disturbed, and the material's matrix has not noticeably deteriorated.

D= Damaged: Asbestos material that has deteriorated or sustained physical injury demonstrated by separation of the ACM into layers, separation of the ACM from the substrate, flaking, blistering, crumbling, water damage, scrapes, gouges, or other signs of physical injury.

SD=Significantly Damaged: Damaged asbestos where the damage is extensive and severe.

ACM=Asbestos Containing Material: material analyzed and confirmed by laboratory to contain above 1% of asbestos

PACM= Presumed Asbestos Containing Material: this material was assumed to contain asbestos to either save the client on lab fees or because the material was adhered to another asbestos containing material (or adjacent to other materials needing abatement) and must be managed as such.



## 1.3 Purpose

The purpose of the asbestos inspection was to identify and quantify the types of asbestos containing building materials (ACBM) in areas of planned renovations. Samples of the suspect materials were collected for analysis by an independent laboratory, and the condition of each material noted in relation to its potential to be disturbed. The potential for fiber release was also considered.

The report is generated for the exclusive use of Signature Development and its representatives or agents, and is not designed to serve as a specification for abatement. Before requesting bids for abatement of materials identified in this report, the owner is strongly encouraged to contract with a consultant to provide this valuable service. A specification assures that all contractors are bidding on the same methodology and following the specific requirements for the work to be performed.

The inspection was conducted by NYS DOL Certified Asbestos Inspectors John Doucette and David Batt on January 2<sup>nd</sup>, 2018 and revealed the following suspect asbestos containing building materials:

## HOMOGENOUS MATERIALS & SAMPLE RESULTS

HAN	Suspect Asbestos Containing Material Description	SID (Space Identification Number)	Sample No.	ACM (Y/N)	Estimated Quantity SF*	Friability/ Condition
100B	Base Plaster	1000,1001,1004,1005, 2000,2004,2010,3000, 3001,3004	100B-1, 100B-2 100B-3, 100B-4 100B-5	No	N/A	F/D
101	Drywall	1001,1003,1004,2001, 2002,2003,2004,2005, 2006,2007,2008,2009, 3001,3002,3003	101-1, 101-2, 101-3, 101-4, 101-5, 101-6	No	N/A	F/D
101A	Joint Compound	1001,1003,1004,2001, 2002,2003,2004,2005, 2006,2007,2008,2009, 3001,3002,3003	101A-1, 101A-2, 101A-3, 101A-4, 101A-5, 101A-6	No	N/A	F/D
200	2' x 4' Ceiling Tile	2002,2003,2004,2005, 2006,	200-1, 200-2	No	N/A	F/D
300	Ceramic Tile Grout/Mudbed	1000,1001,1002,	300-1, 300-2	No	N/A	F/I
301	Floor Leveler	1000,1001	301-1, 301-2	No	N/A	F/D
302	Linoleum-Beige	2007	302-1, 302-2	No	N/A	NF/D
303	12 x 12 Floor Tile-Gray	3002	303-1, 303-2	No	N/A	NF/D
304	Vapor Barrier Under Hardwood	1001,1003,1004,2000, 2001,2002,2003,2004, 2005,2006,2007,2008, 2009,2010,3000,3001, 3002,3003,3004	304-1, 304-2	No	N/A	NF/I
600	Window/Door Caulk	Exterior	600-1, 600-2	No	N/A	NF/D
601	Exterior Window Glaze	Exterior	601-1, 601-2	No	N/A	NF/D
602	Interior Window Glaze	3001,3003 Original Metal Frame Windows	602-1, 602-2	Yes	< 10 Sq. Ft.	NF/D

## HOMOGENOUS MATERIALS & SAMPLE RESULTS (Continued on Next Page)



## HOMOGENOUS MATERIALS & SAMPLE RESULTS (Continued)

HAN	Suspect Asbestos Containing Material Description	SID (Space Identification Number)	Sample No.	ACM (Y/N)	Estimated Quantity SF*	Friability/ Condition
603	Roofing Debris	Exterior Yard Behind Bldg.	603-1, 603-2	No	N/A	NF/D
604	Silver Paint Roofing Debris	Exterior Yard Behind Bldg.	604-1, 604-2	No	N/A	NF/D
605	Asphalt Siding	Exterior	605-1, 605-2	No	N/A	NF/D
<b>606</b>	<b>Repair Tar</b>	<b>Exterior West Side of Building - On Brick</b>	<b>Samples Not Submitted -See Note 1</b>	<b>Yes</b>	<b>25 Sq. Ft.</b>	<b>NF/D</b>

\*Quantities are approximate, and are only associated with areas of planned renovation. Additional asbestos containing materials may be located outside areas of planned renovation that were not surveyed, assessed or quantified during this inspection.

NOTE 1: Materials were assumed to contain asbestos based on AMD Environmental's experience on similar projects and must be managed as such until proven otherwise.

The above listed table provides a list of the materials that were sampled and tested for asbestos by Polarized Light Microscopy (PLM) and or Transmission Electron Microscopy (TEM), as applicable. Any sample determined to be a non-friable organically bound material (NOB), and which was found to be negative by Polarized Light Microscopy (PLM) analysis, was then analyzed by Transmission Electron Microscopy (TEM) analysis at American Science Team New York Inc. (AmeriSci) in New York, New York. AmeriSci is an ELAP Certified laboratory (ID: 11480) and conducts analysis according to EPA Method 198.1, 198.4 and 198.6. See Section 2.0 for the laboratory's analytical results.





## 1.4 Methodology

All work performed by AMD Environmental Consultants, Inc. was conducted in accordance with applicable regulations, including New York State Department of Labor standards 12NYCRR Part 56, National Emission Standards for Hazardous Air Pollutants (NESHAPS), and Occupational Safety and Health Administration regulations 29CFR1910.1101 and 29CFR1910.134. All AMD personnel assigned to conduct inspections have completed the Environmental Protection Agency (EPA) required training and New York State Department of Labor Division of Safety and Health certification program.

Each suspect asbestos containing building material (ACBM) was assigned a homogenous area number (HAN). Homogeneous areas consist of materials of like composition, texture and appearance.

Based on the homogeneous areas, samples of suspect materials were collected. Techniques used for sample collection were designed to minimize damage to suspected areas, reduce any potential for fiber release, and ensure the safety of the inspector and building occupants. Samples were collected by AMD personnel using the following procedures:

1. The surface to be sampled was sprayed with amended water (detergent and water) as necessary
2. A plastic sample bag was held to the surface sampled
3. The sample was collected using tools appropriate to the friability of the material sampled
4. Sample bags were labeled with a unique sample identification number
5. Samples were recorded on a Chain of Custody form, and submitted under strict chain-of-custody procedures to American Science Team New York Inc. (AmeriSci) in New York, New York. AmeriSci is an ELAP and NYSDOH approved, certified laboratory for PLM and TEM analysis (ELAP ID: 11480).

Samples were first analyzed using PLM, Polarized Light Microscopy in accordance with US Environmental Protection Agency Interim Method, 40CFRpt763, Supt F, App A(7-1-87). For the sample results not considered definitive, additional analysis was performed under Transmission Electron Microscopy (TEM) in accordance with NYSDOH ELAP Item 198.4, for Non-friable Organically Bound Bulk Material (NOB). The results of these analyses confirmed whether or not a suspect materials actually contained asbestos. All materials sampled are summarized in Section 1.3 of this report; the presumed asbestos containing materials and materials containing asbestos above 1.0% are listed in Section 1.2.



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## 2.0 Laboratory Analytical Results

**AmeriSci New York**

117 EAST 30TH ST.  
NEW YORK, NY 10016  
TEL: (212) 679-8600 • FAX: (212) 679-3114

## PLM Bulk Asbestos Report

AMD Environmental Consultants, Inc.  
Attn: John Wolf  
712 Main Street  
Suite L1  
Buffalo, NY 14202

**Date Received** 01/03/19 **AmeriSci Job #** 219011142  
**Date Examined** 01/04/19 **P.O. #**  
**ELAP #** 11480 **Page** 1 **of** 8  
**RE:** 19-0102DB-A; 27 Chandler St.; 27 Chandler St., NY

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
100B-1 100B Location: 1005, 1005 - Base Plaster	219011142-01	No	NAD (by NYS ELAP 198.1) by Jared C. Clarke on 01/04/19
<b>Analyst Description:</b> Grey, Homogeneous, Non-Fibrous, Cementitious, Bulk Material <b>Asbestos Types:</b> <b>Other Material:</b> Non-fibrous 100 %			
100B-2 100B Location: 1005, 1005 - Base Plaster	219011142-02	No	NAD (by NYS ELAP 198.1) by Jared C. Clarke on 01/04/19
<b>Analyst Description:</b> Grey, Homogeneous, Non-Fibrous, Cementitious, Bulk Material <b>Asbestos Types:</b> <b>Other Material:</b> Non-fibrous 100 %			
100B-3 100B Location: 2000, 2000 - Base Plaster	219011142-03	No	NAD (by NYS ELAP 198.1) by Jared C. Clarke on 01/04/19
<b>Analyst Description:</b> Grey, Homogeneous, Non-Fibrous, Cementitious, Bulk Material <b>Asbestos Types:</b> <b>Other Material:</b> Non-fibrous 100 %			
100B-4 100B Location: 2000, 2000 - Base Plaster	219011142-04	No	NAD (by NYS ELAP 198.1) by Jared C. Clarke on 01/04/19
<b>Analyst Description:</b> Grey, Homogeneous, Non-Fibrous, Cementitious, Bulk Material <b>Asbestos Types:</b> <b>Other Material:</b> Non-fibrous 100 %			
100B-5 100B Location: 3000 - Base Plaster	219011142-05	No	NAD (by NYS ELAP 198.1) by Jared C. Clarke on 01/04/19
<b>Analyst Description:</b> Grey, Homogeneous, Non-Fibrous, Cementitious, Bulk Material <b>Asbestos Types:</b> <b>Other Material:</b> Non-fibrous 100 %			

Client Name: AMD Environmental Consultants, Inc.

**PLM Bulk Asbestos Report**

19-0102DB-A; 27 Chandler St.; 27 Chandler St., NY

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
101-1 101	219011142-06 Location: 1001, 1001 - Drywall	No	NAD (by NYS ELAP 198.1) by Jared C. Clarke on 01/04/19
<b>Analyst Description:</b> White/Brown, Homogeneous, Non-Fibrous, Bulk Material <b>Asbestos Types:</b> <b>Other Material:</b> Cellulose 3 %, Fibrous glass Trace, Non-fibrous 97 %			
101-2 101	219011142-07 Location: 1001, 1001 - Drywall	No	NAD (by NYS ELAP 198.1) by Jared C. Clarke on 01/04/19
<b>Analyst Description:</b> White/Brown, Heterogeneous, Fibrous, Bulk Material <b>Asbestos Types:</b> <b>Other Material:</b> Cellulose 40 %, Fibrous glass Trace, Non-fibrous 60 %			
101-3 101	219011142-08 Location: 2004, 2004 - Drywall	No	NAD (by NYS ELAP 198.1) by Jared C. Clarke on 01/04/19
<b>Analyst Description:</b> Grey/Brown, Heterogeneous, Fibrous, Bulk Material <b>Asbestos Types:</b> <b>Other Material:</b> Cellulose 20 %, Non-fibrous 80 %			
101-4 101	219011142-09 Location: 2004, 2004 - Drywall	No	NAD (by NYS ELAP 198.1) by Jared C. Clarke on 01/04/19
<b>Analyst Description:</b> Grey/Brown, Heterogeneous, Fibrous, Bulk Material <b>Asbestos Types:</b> <b>Other Material:</b> Cellulose 15 %, Non-fibrous 85 %			
101-5 101	219011142-10 Location: 3001, 3001 - Drywall	No	NAD (by NYS ELAP 198.1) by Jared C. Clarke on 01/04/19
<b>Analyst Description:</b> Grey/Brown, Heterogeneous, Fibrous, Bulk Material <b>Asbestos Types:</b> <b>Other Material:</b> Cellulose 25 %, Fibrous glass Trace, Non-fibrous 75 %			
101-6 101	219011142-11 Location: 3001, 3001 - Drywall	No	NAD (by NYS ELAP 198.1) by Jared C. Clarke on 01/04/19
<b>Analyst Description:</b> Grey/Brown, Homogeneous, Non-Fibrous, Bulk Material <b>Asbestos Types:</b> <b>Other Material:</b> Cellulose 2 %, Fibrous glass Trace, Non-fibrous 98 %			



Client Name: AMD Environmental Consultants, Inc.

**PLM Bulk Asbestos Report**

19-0102DB-A; 27 Chandler St.; 27 Chandler St., NY

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
101A-1 101A	219011142-12 Location: 1001, 1001 - Joint Compound	No	NAD (by NYS ELAP 198.1) by Jared C. Clarke on 01/04/19
<b>Analyst Description:</b> White, Homogeneous, Non-Fibrous, Bulk Material <b>Asbestos Types:</b> <b>Other Material:</b> Non-fibrous 100 %			
101A-2 101A	219011142-13 Location: 1001, 1001 - Joint Compound	No	NAD (by NYS ELAP 198.1) by Jared C. Clarke on 01/04/19
<b>Analyst Description:</b> White, Homogeneous, Non-Fibrous, Bulk Material <b>Asbestos Types:</b> <b>Other Material:</b> Non-fibrous 100 %			
101A-3 101A	219011142-14 Location: 2004, 2004 - Joint Compound	No	NAD (by NYS ELAP 198.1) by Jared C. Clarke on 01/04/19
<b>Analyst Description:</b> White, Homogeneous, Non-Fibrous, Bulk Material <b>Asbestos Types:</b> <b>Other Material:</b> Non-fibrous 100 %			
101A-4 101A	219011142-15 Location: 2004, 2004 - Joint Compound	No	NAD (by NYS ELAP 198.1) by Jared C. Clarke on 01/04/19
<b>Analyst Description:</b> White, Homogeneous, Non-Fibrous, Bulk Material <b>Asbestos Types:</b> <b>Other Material:</b> Non-fibrous 100 %			
101A-5 101A	219011142-16 Location: 3001, 3001 - Joint Compound	No	NAD (by NYS ELAP 198.1) by Jared C. Clarke on 01/04/19
<b>Analyst Description:</b> White, Homogeneous, Non-Fibrous, Bulk Material <b>Asbestos Types:</b> <b>Other Material:</b> Non-fibrous 100 %			
101A-6 101A	219011142-17 Location: 3001, 3001 - Joint Compound	No	NAD (by NYS ELAP 198.1) by Jared C. Clarke on 01/04/19
<b>Analyst Description:</b> White, Homogeneous, Non-Fibrous, Bulk Material <b>Asbestos Types:</b> <b>Other Material:</b> Non-fibrous 100 %			

Client Name: AMD Environmental Consultants, Inc.

**PLM Bulk Asbestos Report**

19-0102DB-A; 27 Chandler St.; 27 Chandler St., NY

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
200-1 200	219011142-18 Location: 2006, 2006 - 2 X 4 Ceiling Tile	No	NAD (by NYS ELAP 198.6) by Jared C. Clarke on 01/04/19
<b>Analyst Description:</b> Grey, Homogeneous, Non-Fibrous, Bulk Material <b>Asbestos Types:</b> <b>Other Material:</b> Non-fibrous 45.5 %			
200-2 200	219011142-19 Location: 2006, 2006 - 2 X 4 Ceiling Tile	No	NAD (by NYS ELAP 198.6) by Jared C. Clarke on 01/04/19
<b>Analyst Description:</b> Grey, Homogeneous, Non-Fibrous, Bulk Material <b>Asbestos Types:</b> <b>Other Material:</b> Non-fibrous 40.5 %			
300-1 300	219011142-20 Location: 1000, 1000 - Ceramic Tile Grout/Mudbed	No	NAD (by NYS ELAP 198.1) by Jared C. Clarke on 01/04/19
<b>Analyst Description:</b> Grey, Homogeneous, Non-Fibrous, Cementitious, Bulk Material <b>Asbestos Types:</b> <b>Other Material:</b> Non-fibrous 100 %			
300-2 300	219011142-21 Location: 1000, 1000 - Ceramic Tile Grout/Mudbed	No	NAD (by NYS ELAP 198.1) by Jared C. Clarke on 01/04/19
<b>Analyst Description:</b> Grey, Homogeneous, Non-Fibrous, Cementitious, Bulk Material <b>Asbestos Types:</b> <b>Other Material:</b> Non-fibrous 100 %			
301-1 301	219011142-22 Location: 1000, 1000 - Floor Leveler	No	NAD (by NYS ELAP 198.1) by Jared C. Clarke on 01/04/19
<b>Analyst Description:</b> Grey, Homogeneous, Non-Fibrous, Bulk Material <b>Asbestos Types:</b> <b>Other Material:</b> Non-fibrous 100 %			
301-2 301	219011142-23 Location: 1000, 1000 - Floor Leveler	No	NAD (by NYS ELAP 198.1) by Jared C. Clarke on 01/04/19
<b>Analyst Description:</b> Grey, Homogeneous, Non-Fibrous, Bulk Material <b>Asbestos Types:</b> <b>Other Material:</b> Non-fibrous 100 %			

**PLM Bulk Asbestos Report**

19-0102DB-A; 27 Chandler St.; 27 Chandler St., NY

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
302-1 302	219011142-24 Location: 2007, 2007 - Linoleum, Beige	No	NAD (by NYS ELAP 198.6) by Jared C. Clarke on 01/04/19
<b>Analyst Description:</b> Beige, Homogeneous, Non-Fibrous, Bulk Material <b>Asbestos Types:</b> <b>Other Material:</b> Non-fibrous 0.5 %			
302-2 302	219011142-25 Location: 2007, 2007 - Linoleum, Beige	No	NAD (by NYS ELAP 198.6) by Jared C. Clarke on 01/04/19
<b>Analyst Description:</b> Beige, Homogeneous, Non-Fibrous, Bulk Material <b>Asbestos Types:</b> <b>Other Material:</b> Non-fibrous 2.2 %			
303-1 303	219011142-26 Location: 3002, 3002 - 12 X 12 Floor Tile, Gray	No	NAD (by NYS ELAP 198.6) by Jared C. Clarke on 01/04/19
<b>Analyst Description:</b> Grey, Homogeneous, Non-Fibrous, Bulk Material <b>Asbestos Types:</b> <b>Other Material:</b> Non-fibrous 6.7 %			
303-2 303	219011142-27 Location: 3002, 3002 - 12 X 12 Floor Tile, Gray	No	NAD (by NYS ELAP 198.6) by Jared C. Clarke on 01/04/19
<b>Analyst Description:</b> Grey, Homogeneous, Non-Fibrous, Bulk Material <b>Asbestos Types:</b> <b>Other Material:</b> Non-fibrous 5.3 %			
304-1 304	219011142-28 Location: 1001, 1001 - Vapor Barrier Under Hardwood	No	NAD (by NYS ELAP 198.1) by Jared C. Clarke on 01/04/19
<b>Analyst Description:</b> Brown, Homogeneous, Fibrous, Bulk Material <b>Asbestos Types:</b> <b>Other Material:</b> Cellulose 95 %, Non-fibrous 5 %			
304-2 304	219011142-29 Location: 1001, 1001 - Vapor Barrier Under Hardwood	No	NAD (by NYS ELAP 198.1) by Jared C. Clarke on 01/04/19
<b>Analyst Description:</b> Brown, Homogeneous, Fibrous, Bulk Material <b>Asbestos Types:</b> <b>Other Material:</b> Cellulose 95 %, Non-fibrous 5 %			



Client Name: AMD Environmental Consultants, Inc.

**PLM Bulk Asbestos Report**

19-0102DB-A; 27 Chandler St.; 27 Chandler St., NY

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
600-1 600	219011142-30 Location: Exterior - Window/Door Caulk	No	NAD (by NYS ELAP 198.6) by Jared C. Clarke on 01/04/19
<b>Analyst Description:</b> Brown, Homogeneous, Non-Fibrous, Bulk Material <b>Asbestos Types:</b> <b>Other Material:</b> Non-fibrous 0.4 %			
600-2 600	219011142-31 Location: Exterior - Window/Door Caulk	No	NAD (by NYS ELAP 198.6) by Jared C. Clarke on 01/04/19
<b>Analyst Description:</b> Brown, Homogeneous, Non-Fibrous, Bulk Material <b>Asbestos Types:</b> <b>Other Material:</b> Non-fibrous 1.6 %			
601-1 601	219011142-32 Location: Exterior - Exterior Window Glaze	No	NAD (by NYS ELAP 198.6) by Jared C. Clarke on 01/04/19
<b>Analyst Description:</b> Tan, Homogeneous, Non-Fibrous, Bulk Material <b>Asbestos Types:</b> <b>Other Material:</b> Non-fibrous 6.2 %			
601-2 601	219011142-33 Location: Exterior - Exterior Window Glaze	No	NAD (by NYS ELAP 198.6) by Jared C. Clarke on 01/04/19
<b>Analyst Description:</b> Tan, Homogeneous, Non-Fibrous, Bulk Material <b>Asbestos Types:</b> <b>Other Material:</b> Non-fibrous 9.2 %			
602-1 602	219011142-34 Location: 3001, 3001 - Interior Window Glaze	Yes	Trace (<0.25 % pc) <sup>1</sup> (EPA 400 PC) by Jared C. Clarke on 01/04/19
<b>Analyst Description:</b> Grey/Tan, Homogeneous, Non-Fibrous, Bulk Material <b>Asbestos Types:</b> Chrysotile <0.25 % pc, Anthophyllite <0.25 % pc <b>Other Material:</b> Non-fibrous 10.7 %			
602-2 602	219011142-35 Location: 3001, 3001 - Interior Window Glaze	Yes	Trace (<0.25 % pc) <sup>1</sup> (EPA 400 PC) by Jared C. Clarke on 01/04/19
<b>Analyst Description:</b> Grey/Tan, Homogeneous, Non-Fibrous, Bulk Material <b>Asbestos Types:</b> Chrysotile <0.25 % pc, Anthophyllite <0.25 % pc <b>Other Material:</b> Non-fibrous 9.9 %			



Client Name: AMD Environmental Consultants, Inc.

**PLM Bulk Asbestos Report**

19-0102DB-A; 27 Chandler St.; 27 Chandler St., NY

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
603-1 603	219011142-36 Location: Exterior - Roofing Debris	Yes	Trace (<0.25 % pc) <sup>1,2</sup> (EPA 400 PC) by Jared C. Clarke on 01/04/19
<b>Analyst Description:</b> Black, Homogeneous, Non-Fibrous, Bulk Material <b>Asbestos Types:</b> Chrysotile <0.25 % pc <b>Other Material:</b> Fibrous glass Trace, Non-fibrous 4.7 %			
603-2 603	219011142-37 Location: Exterior - Roofing Debris	Yes	Trace (<0.25 % pc) <sup>1,2</sup> (EPA 400 PC) by Jared C. Clarke on 01/04/19
<b>Analyst Description:</b> Black, Homogeneous, Non-Fibrous, Bulk Material <b>Asbestos Types:</b> Chrysotile <0.25 % pc <b>Other Material:</b> Non-fibrous 1.1 %			
604-1 604	219011142-38 Location: Exterior - Silver Paint Roofing Debris	No	NAD (by NYS ELAP 198.6) by Jared C. Clarke on 01/04/19
<b>Analyst Description:</b> Silver/Black, Homogeneous, Non-Fibrous, Bulk Material <b>Asbestos Types:</b> <b>Other Material:</b> Non-fibrous 0.8 %			
604-2 604	219011142-39 Location: Exterior - Silver Paint Roofing Debris	No	NAD (by NYS ELAP 198.6) by Jared C. Clarke on 01/04/19
<b>Analyst Description:</b> Silver/Black, Homogeneous, Non-Fibrous, Bulk Material <b>Asbestos Types:</b> <b>Other Material:</b> Non-fibrous 2.5 %			
605-1 605	219011142-40 Location: Exterior - Asphalt Siding	No	NAD (by NYS ELAP 198.6) by Jared C. Clarke on 01/04/19
<b>Analyst Description:</b> Black, Homogeneous, Non-Fibrous, Bulk Material <b>Asbestos Types:</b> <b>Other Material:</b> Non-fibrous 20.4 %			
605-2 605	219011142-41 Location: Exterior - Asphalt Siding	No	NAD (by NYS ELAP 198.6) by Jared C. Clarke on 01/04/19
<b>Analyst Description:</b> Black, Homogeneous, Non-Fibrous, Bulk Material <b>Asbestos Types:</b> <b>Other Material:</b> Non-fibrous 21.5 %			

Client Name: AMD Environmental Consultants, Inc.

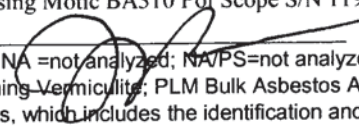
## PLM Bulk Asbestos Report

19-0102DB-A; 27 Chandler St.; 27 Chandler St., NY

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### Reporting Notes:

- (1) Sample prepared for analysis by ELAP 198.6 method
- (2) Analysis Results For Soil, Dust, Or Debris May Be Highly Variable Because Of The Heterogeneous Nature Of These Samples
- (3) This job was - Analyzed using Motic BA310 Pol Scope S/N 1190000326

Analyzed by: Jared C. Clarke 

\*NAD/NSD =no asbestos detected; NA =not analyzed; NAPS=not analyzed/positive stop, (SOF-V) = Sprayed On Fireproofing containing Vermiculite; (SM-V) = Surfacing Material containing Vermiculite; PLM Bulk Asbestos Analysis by Appd E to Subpt E, 40 CFR 763 (NVLAP 200546-0), ELAP PLM Method 198.1 for NY friable samples, which includes the identification and quantitation of vermiculite or 198.6 for NOB samples or EPA 400 pt ct by Appd E to Subpt E, 40 CFR 763 (NY ELAP Lab 11480); Note:PLM is not consistently reliable in detecting asbestos in floor coverings and similar non-friable organically bound materials. NAD or Trace results by PLM are inconclusive, TEM is currently the only method that can be used to determine if this material can be considered or treated as non asbestos-containing in NY State (also see EPA Advisory for floor tile, FR 59,146,38970,8/1/94) National Institute of Standards and Technology Accreditation requirements mandate that this report must not be reproduced except in full without the approval of the lab.This PLM report relates ONLY to the items tested. AIHA-LAP, LLC Lab ID 102843, RI Cert AAL-094, CT Cert PH-0186, Mass Cert AA000054.

Reviewed By: \_\_\_\_\_

19-0102DB-A

END OF REPORT \_\_\_\_\_

16

27 Chandler St.

19-0102DB-A

**Table I**  
**Summary of Bulk Asbestos Analysis Results**  
 19-0102DB-A; 27 Chandler St.; 27 Chandler St., NY

AmeriSci Sample #	Client Sample#	HG Area	Sample Weight (gram)	Heat Sensitive Organic %	Acid Soluble Inorganic %	Insoluble Non-Asbestos Inorganic %	** Asbestos % by PLM/DS	** Asbestos % by TEM
01	100B-1	100B	---	----	----	----	NAD	NA
Location:	1005, 1005 - Base Plaster							
02	100B-2	100B	---	----	----	----	NAD	NA
Location:	1005, 1005 - Base Plaster							
03	100B-3	100B	---	----	----	----	NAD	NA
Location:	2000, 2000 - Base Plaster							
04	100B-4	100B	---	----	----	----	NAD	NA
Location:	2000, 2000 - Base Plaster							
05	100B-5	100B	---	----	----	----	NAD	NA
Location:	3000 - Base Plaster							
06	101-1	101	---	----	----	----	NAD	NA
Location:	1001, 1001 - Drywall							
07	101-2	101	---	----	----	----	NAD	NA
Location:	1001, 1001 - Drywall							
08	101-3	101	---	----	----	----	NAD	NA
Location:	2004, 2004 - Drywall							
09	101-4	101	---	----	----	----	NAD	NA
Location:	2004, 2004 - Drywall							
10	101-5	101	---	----	----	----	NAD	NA
Location:	3001, 3001 - Drywall							
11	101-6	101	---	----	----	----	NAD	NA
Location:	3001, 3001 - Drywall							
12	101A-1	101A	---	----	----	----	NAD	NA
Location:	1001, 1001 - Joint Compound							
13	101A-2	101A	---	----	----	----	NAD	NA
Location:	1001, 1001 - Joint Compound							
14	101A-3	101A	---	----	----	----	NAD	NA
Location:	2004, 2004 - Joint Compound							
15	101A-4	101A	---	----	----	----	NAD	NA
Location:	2004, 2004 - Joint Compound							
16	101A-5	101A	---	----	----	----	NAD	NA
Location:	3001, 3001 - Joint Compound							

27 Chandler St.

19-0102DB-A

**Table I**  
**Summary of Bulk Asbestos Analysis Results**  
 19-0102DB-A; 27 Chandler St.; 27 Chandler St., NY

AmeriSci Sample #	Client Sample#	HG Area	Sample Weight (gram)	Heat Sensitive Organic %	Acid Soluble Inorganic %	Insoluble Non-Asbestos Inorganic %	** Asbestos % by PLM/DS	** Asbestos % by TEM
17	101A-6	101A	---	---	---	---	NAD	NA
Location:	3001, 3001 - Joint Compound							
18	200-1	200	0.211	25.6	28.9	45.5	NAD	NAD
Location:	2006, 2006 - 2 X 4 Ceiling Tile							
19	200-2	200	0.210	25.7	33.8	40.5	NAD	NAD
Location:	2006, 2006 - 2 X 4 Ceiling Tile							
20	300-1	300	---	---	---	---	NAD	NA
Location:	1000, 1000 - Ceramic Tile Grout/Mudbed							
21	300-2	300	---	---	---	---	NAD	NA
Location:	1000, 1000 - Ceramic Tile Grout/Mudbed							
22	301-1	301	---	---	---	---	NAD	NA
Location:	1000, 1000 - Floor Leveler							
23	301-2	301	---	---	---	---	NAD	NA
Location:	1000, 1000 - Floor Leveler							
24	302-1	302	0.192	50.0	49.5	0.5	NAD	NAD
Location:	2007, 2007 - Linoleum, Beige							
25	302-2	302	0.186	48.4	49.5	2.2	NAD	NAD
Location:	2007, 2007 - Linoleum, Beige							
26	303-1	303	0.208	29.3	63.9	6.7	NAD	NAD
Location:	3002, 3002 - 12 X 12 Floor Tile, Gray							
27	303-2	303	0.228	29.8	64.9	5.3	NAD	NAD
Location:	3002, 3002 - 12 X 12 Floor Tile, Gray							
28	304-1	304	---	---	---	---	NAD	NA
Location:	1001, 1001 - Vapor Barrier Under Hardwood							
29	304-2	304	---	---	---	---	NAD	NA
Location:	1001, 1001 - Vapor Barrier Under Hardwood							
30	600-1	600	0.271	39.5	60.1	0.4	NAD	NAD
Location:	Exterior - Window/Door Caulk							
31	600-2	600	0.255	42.7	55.7	1.6	NAD	NAD
Location:	Exterior - Window/Door Caulk							
32	601-1	601	0.241	7.1	86.7	6.2	NAD	NAD
Location:	Exterior - Exterior Window Glaze							

27 Chandler St.



Client Name: AMD Environmental Consultants, Inc.

19-0102DB-A

Table I  
Summary of Bulk Asbestos Analysis Results

19-0102DB-A; 27 Chandler St.; 27 Chandler St., NY

AmeriSci Sample #	Client Sample#	HG Area	Sample Weight (gram)	Heat Sensitive Organic %	Acid Soluble Inorganic %	Insoluble Non-Asbestos Inorganic %	** Asbestos % by PLM/DS	** Asbestos % by TEM
33	601-2	601	0.314	10.5	80.3	9.2	NAD	NAD
Location:	Exterior - Exterior Window Glaze							
34	602-1	602	0.308	5.5	83.8	10.2	Chrysotile <0.25	Chrysotile <1.0
Location:	3001, 3001 - Interior Window Glaze						Anthophyllite <0.25	Anthophyllite <1.0
35	602-2	602	0.252	6.3	83.7	8.3	Chrysotile <0.25	Chrysotile 1.5
Location:	3001, 3001 - Interior Window Glaze						Anthophyllite <0.25	Anthophyllite Trace
36	603-1	603	0.773	91.6	3.8	4.5	Chrysotile <0.25	Chrysotile <1.0
Location:	Exterior - Roofing Debris							
37	603-2	603	0.526	91.8	7.0	0.9	Chrysotile <0.25	Chrysotile <1.0
Location:	Exterior - Roofing Debris							
38	604-1	604	0.364	87.6	11.5	0.8	NAD	NAD
Location:	Exterior - Silver Paint Roofing Debris							
39	604-2	604	0.403	87.3	10.2	2.5	NAD	NAD
Location:	Exterior - Silver Paint Roofing Debris							
40	605-1	605	0.304	47.7	31.9	20.4	NAD	NAD
Location:	Exterior - Asphalt Siding							
41	605-2	605	0.293	44.7	33.8	21.5	NAD	NAD
Location:	Exterior - Asphalt Siding							

Analyzed by: Marik Peysakhov; Date Analyzed 1/4/2019  
\*\*Quantitative Analysis (Semi/Full): Bulk Asbestos Analysis - PLM by Appd E to Subpt E, 40 CFR 763 or ELAP 198.1 for New York friable samples or ELAP 198.6 for New York NOB samples; TEM (Semi/Full) by EPA 600/R-93/116 (or ELAP 198.4; for New York samples; NAD = no asbestos detected during a quantitative analysis; NA = not analyzed; Trace = <1%; (SOF-V) = Sprayed On Fireproofing containing Vermiculite; (SM-V) = Surfacing Material containing Vermiculite; Quantitation for beginning weights of <0.1 grams should be considered as qualitative only; Qualitative Analysis: Asbestos analysis results of "Present" or "NVA = No Visible Asbestos" represents results for Qualitative PLM or TEM Analysis only (no accreditation coverage available from any regulatory agency for qualitative analyses); NVAP (PLM) 200546-0, NYSDOH ELAP Lab 11480, AIHA-LAP, LLC (PLM) Lab ID 102843.

Warning Note: PLM limitation, only TEM will resolve fibers <0.25 micrometers in diameter. TEM bulk analysis is representative of the fine grained matrix material and may not be representative of not uniformly dispersed debris for which PLM evaluation is recommended (i.e. soils and other heterogeneous materials).

Reviewed By: \_\_\_\_\_



---

## 2.1 Analytical Key Terms and Definitions

**PLM:** Polarized Light Microscopy; type of analysis

**TEM:** Transmission Electron Microscopy; secondary analysis if applicable

**NOB:** Non-Friable Organically Bound; materials analyzed by PLM or TEM

**NAD:** No asbestos detected

**NA:** Not applicable

**PS:** Positive Stop

**Trace:** Less than 1% asbestos (Non ACM)

**ACM:** Asbestos Containing Material



**AMD**  
ENVIRONMENTAL

AMD Environmental Consultants, Inc.  
712 Main St. Suite L1  
Buffalo, NY 14202  
Office: 716-833-0043 Fax: 716-241-8689  
[www.amdenvironmental.com](http://www.amdenvironmental.com)

---

## 3.0 Sample Chain(s) of Custody

Relinquished By: Don Batt Date/Time: 1/22/19  
 Received By: MVLT Date/Time: 1/31/200  
 Relinquished By: \_\_\_\_\_ Date/Time: \_\_\_\_\_  
 Received By: \_\_\_\_\_ Date/Time: \_\_\_\_\_

**BULK CHAIN OF CUSTODY**  
**AMERISCI**  
 AMERISCI NEW YORK  
 117 EAST 30TH STREET  
 NEW YORK, NY 10016  
 TOLL FREE: (800) 705-5227  
 PHONE: (212) 679-8600  
 FAX: (212) 679-9392

WWW.AMERISCI.COM

Company: **AMD Environmental**

Street Address: 712 Main Street, Suite L 1

City: Buffalo State: NY Zip: 14202

Phone: 716-833-0043 Cell:

Fax Results? Y ☐ Fax #:

Email Results? Y ☒ Email: to all parties listed below

Results to: jwolf@amdenv.com, anthony@amdenv.com,

Special Instructions or Comments:

admin@amdenv.com, dbatt@amdenv.com, john.doucette@amdenv.com

Project: 27 Chandler St AMERISCI #: #219011142  
 Proj Mgr: \_\_\_\_\_ Proj #: 19-0102DBA  
 Proj Address: 27 Chandler St Proj State: NY  
 Analysis: ☐ PLM; ☒ Positive Stop; ☒ TEM; ☒ NY ELAP PLM/TEM w/ NOB Prep.  
 ASTM Dust ☐ (Microvac) ☐ (Wipe); ☐ Qualitative; ☐ Other (describe in comments)  
 Turnaround Time: 5 Days Material Type: ☒ Bulk ☐ Dust ☐ Water  
 Sampled By: David Batt Date Sampled: 1/22/19

Lab ID	Field ID	Location	Sample Description (dust area)	Homogenous Area
22	100B-1,2	1005, 1005	Base Plaster	
	100B-3,4	2000, 2000	Base Plaster	
	100B-5	3000	Base Plaster	
	101-1,2	1001, 1001	Dry wall	
	101-3,4	2004, 2004	Dry wall	
	101-5,6	3001, 3001	Dry wall	
	101A-1,2	1001, 1001	Joint Compound	
	101A-3,4	2004, 2004	Joint Compound	
	101A-5,6	3001, 3001	Joint Compound	
	200-1,2	2006, 2006	2x4 Ceiling Tile	
	300-1,2	1000, 1000	Ceramic Tile Grout / mudded	
	301-1,2	1000, 1000	Floor Leveler	
	302-1,2	2007, 2007	Limestone - Beile	
	303-1,2	3002, 3002	12x12 Floor Tile - Gray	
	304-1,2	1001, 1001	Vapor Barrier under Hardwood	
	600-1,2	Exterior	Window / Door Caulk	
	601-1,2	Exterior	Exterior Window Glaze	

27 Chandler St

PAGE OF







**AMD**  
ENVIRONMENTAL

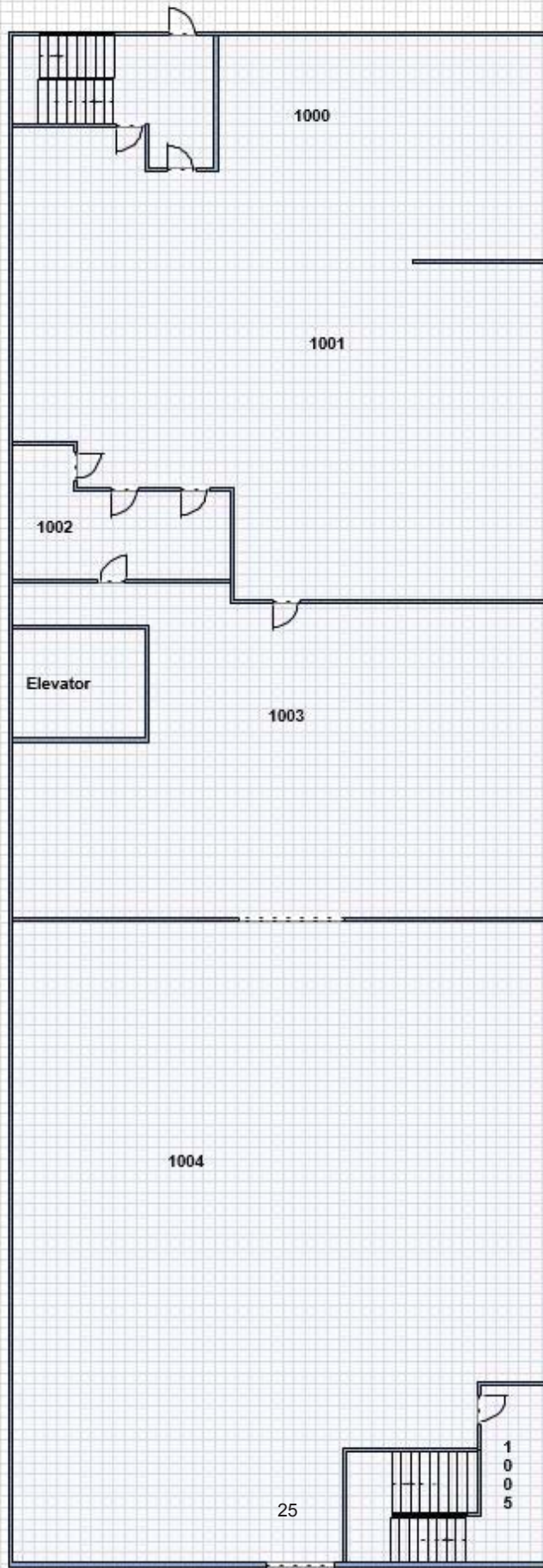
**AMD Environmental Consultants, Inc.**  
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Buffalo, NY 14202  
Office: 716-833-0043 Fax: 716-241-8689  
[www.amdenvironmental.com](http://www.amdenvironmental.com)

---

## 4.0 Site Map(s)

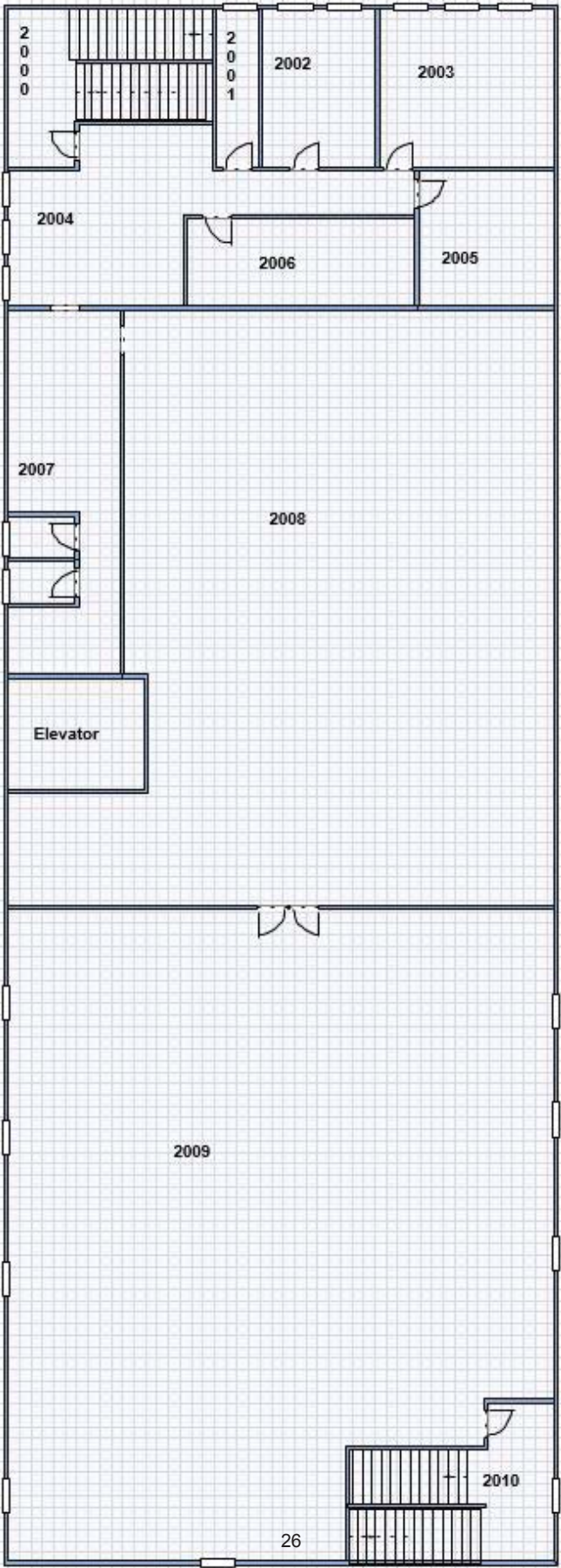
**AMD Environmental  
19-0102DB-A  
27 Chandler Street  
Buffalo, NY 14207**

1st Floor



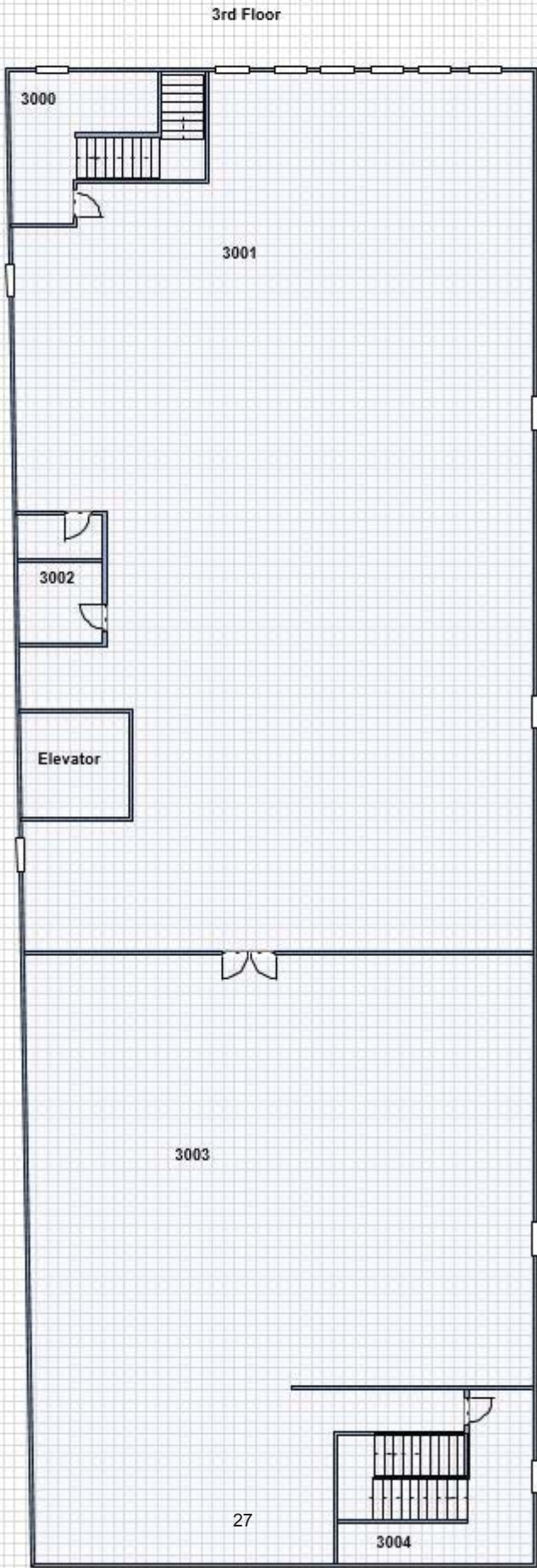
AMD Environmental  
19-0102DB-A  
27 Chandler Street  
Buffalo, NY 14207

2nd Floor





AMD Environmental  
19-0102DB-A  
27 Chandler Street  
Buffalo, NY 14207



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Buffalo, NY 14202  
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## Appendix I

### Site Photographs



**AMD**  
ENVIRONMENTAL



**Location:**  
1000

**Observation:**  
Ceramic tile grout/mudbed  
tested for asbestos.



**Location:**  
Throughout Building

**Observation:**  
Drywall / Joint Compound  
tested for asbestos.



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www.amdenviroental.com

## Appendix I

### Site Photographs



**AMD**  
ENVIRONMENTAL



**Location:**  
2007

**Observation:**  
Beige linoleum tested for  
asbestos.



**Location:**  
Exterior

**Observation:**  
Roofing debris tested for  
asbestos.

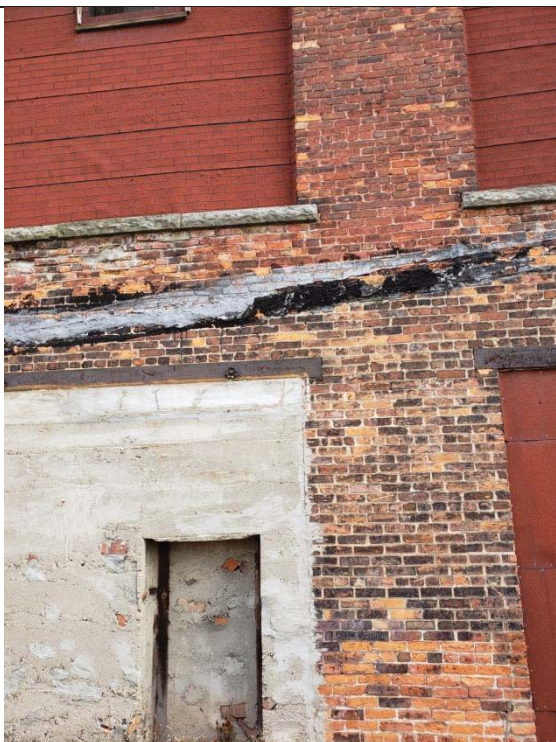
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www.amdenvironmental.com

## Appendix I

### Site Photographs



**AMD**  
ENVIRONMENTAL



**Location:**

Exterior West Side of Building  
- On Brick

**Observation:**

Repair Tar presumed to  
contain asbestos.





**AMD**  
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---

## **Appendix A: Firm Certification and Personnel License(s)**



**AMD**  
ENVIRONMENTAL

AMD Environmental Consultants, Inc.  
712 Main St. Suite L1  
Buffalo, NY 14202  
Office: 716-833-0043 Fax: 716-241-8689  
www.amdenvironmental.com

**New York State – Department of Labor**

Division of Safety and Health  
License and Certificate Unit  
State Campus, Building 12  
Albany, NY 12240

**ASBESTOS HANDLING LICENSE**

AMD Environmental Consultants, Inc.  
Suite L1  
712 Main Street  
Buffalo, NY 14202

FILE NUMBER: 10-56177  
LICENSE NUMBER: 56177  
LICENSE CLASS: RESTRICTED  
DATE OF ISSUE: 11/14/2018  
EXPIRATION DATE: 11/30/2019

Duly Authorized Representative – Anthony DeMiglio:

This license has been issued in accordance with applicable provisions of Article 30 of the Labor Law of New York State and of the New York State Codes, Rules and Regulations (12 NYCRR Part 56). It is subject to suspension or revocation for a (1) serious violation of state, federal or local laws with regard to the conduct of an asbestos project, or (2) demonstrated lack of responsibility in the conduct of any job involving asbestos or asbestos material.

This license is valid only for the contractor named above and this license or a photocopy must be prominently displayed at the asbestos project worksite. This license verifies that all persons employed by the licensee on an asbestos project in New York State have been issued an Asbestos Certificate, appropriate for the type of work they perform, by the New York State Department of Labor.

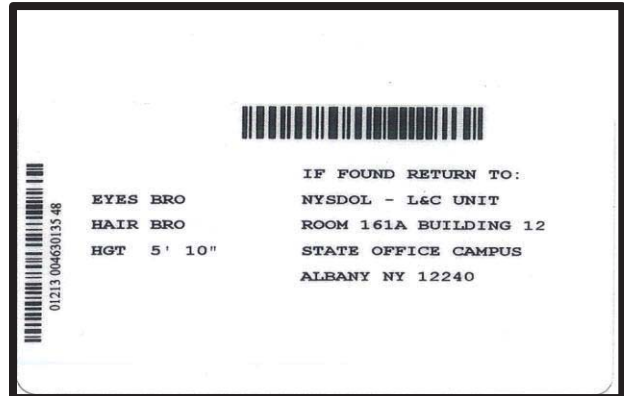
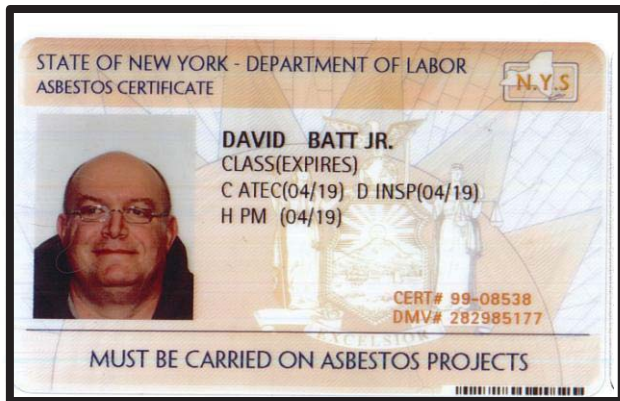
Eileen M. Franko, Director  
For the Commissioner of Labor

SH 432 (8/12)



**AMD**  
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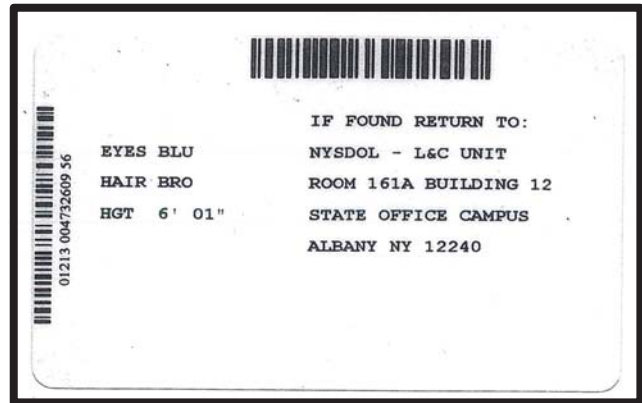
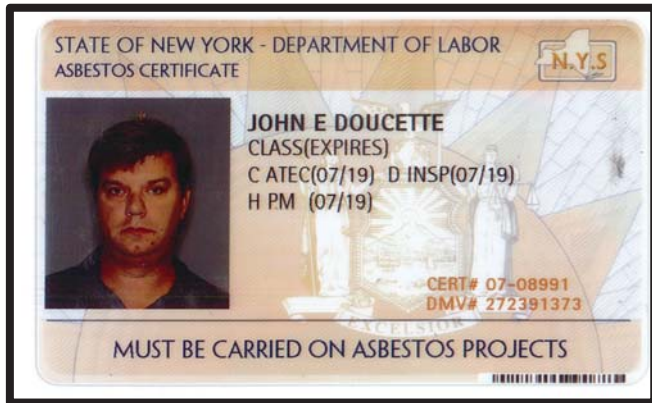
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---

## Appendix B: Laboratory Certification



**NEW YORK STATE DEPARTMENT OF HEALTH  
WADSWORTH CENTER**



Expires 12:01 AM April 01, 2019  
Issued April 01, 2018

**CERTIFICATE OF APPROVAL FOR LABORATORY SERVICE**

*Issued in accordance with and pursuant to section 502 Public Health Law of New York State*

**MR. PAUL J. MUCHA**  
**AMERICA SCIENCE TEAM NEW YORK, INC**  
**117 EAST 30TH ST**  
**NEW YORK, NY 10016**

**NY Lab Id No: 11480**

*is hereby APPROVED as an Environmental Laboratory for the category  
ENVIRONMENTAL ANALYSES SOLID AND HAZARDOUS WASTE  
All approved subcategories and/or analytes are listed below:*

**Miscellaneous**

Asbestos in Friable Material	Item 198.1 of Manual
	EPA 600/M4/82/020
Asbestos in Non-Friable Material-PLM	Item 198.6 of Manual (NOB by PLM)
Asbestos in Non-Friable Material-TEM	Item 198.4 of Manual

**Serial No.: 57809**

Property of the New York State Department of Health. Certificates are valid only at the address shown, must be conspicuously posted, and are printed on secure paper. Continued accreditation depends on successful ongoing participation in the Program. Consumers are urged to call (518) 485-5570 to verify the laboratory's accreditation status.

# Limited Pre-Renovation Asbestos Inspection Report

## Project Location:

**37 Chandler Street  
Buffalo, NY 14207**

Project ID: 19-0404DB-A

*Conditions as of: April 4<sup>th</sup>, 2019*

## Prepared for:

Rocco Termini  
Signature Development

## Prepared by:



### **AMD Environmental Consultants, Inc.**

712 Main St. Suite L1

Buffalo, NY 14202

OFFICE (716) 833-0043 | FAX (716) 241-8689

[www.amdenvironmental.com](http://www.amdenvironmental.com)



April 8<sup>th</sup>, 2019

Rocco Termini  
Signature Development

**Re: Limited Pre-Renovation Asbestos Inspection Report  
37 Chandler Street  
Buffalo, NY 14207  
AMD Project ID: 19-0404DB-A**

Mr. Termini:

I am pleased to present this summary of asbestos survey services at the above referenced address.

**AMD Environmental Consultants conducted a limited pre-renovation asbestos inspection in areas of planned renovations at the above referenced address on April 4<sup>th</sup>, 2019. Asbestos containing materials (ACM) were identified above 1% in materials that were sampled. Asbestos containing debris was also identified at the property. For more detail refer to the summary on page 4.**

New York State asbestos regulations (12 NYCRR 56-5) require that asbestos surveys are conducted in order to determine whether or not the building or structure, or portion(s) thereof to be demolished, renovated, remodeled, contains asbestos containing building materials (ACBM), or presumed asbestos containing materials (PACM). These regulations also require that a copy of the pre-renovation survey be forwarded to the local New York State Department of Labor (NYSDOL) Asbestos Control Bureau immediately upon completion of the survey (Buffalo Office: 65 Court Street, Rm. 405, Buffalo, NY 14202). **If requested to AMD in writing, a copy of the survey will be submitted on your behalf to the NYSDOL, otherwise a copy must be submitted by the owner.**

AMD Environmental Consultants, Inc. surveys are intended to determine, to a reasonable extent, the presence, location, quantity, and condition of accessible asbestos containing materials (surfacing, thermal systems insulation, and miscellaneous materials). The information contained herein is representative of conditions found onsite during the date/time this survey was conducted. Environmental conditions, renovation, vandalism, etc. may alter conditions from the date/time that this survey was conducted, potentially creating new hazards.

Please do not hesitate to contact me if I may provide any additional information.

Sincerely,

Anthony DeMiglio  
President





## **Table of Contents**

### **1.0 Asbestos Inspection**

- 1.1 Introduction
- 1.2 Executive Summary
- 1.3 Purpose
- 1.4 Methodology

### **2.0 Laboratory Analytical Results**

- 2.1 Key Terms and Definitions

### **3.0 Sample Chain(s) of Custody**

### **4.0 Site Map(s)**

### **5.0 Site Photographs**

## **APPENDIX**

- Appendix A: Firm Certification and Personnel License(s)
- Appendix B: Laboratory Certification



## **1.0 Asbestos Inspection**

### **1.1 Introduction**

AMD Environmental Consultants, Inc (AMD) was retained by Signature Development to inspect the building located at 37 Chandler Street, Buffalo, NY for the presence of materials suspected of containing asbestos in areas of planned renovations.

AMD was assigned to:

- Locate suspect asbestos containing materials (ACM),
- Sample these materials to determine asbestos content, and
- Identify the locations and estimated quantities of the confirmed asbestos containing materials.

The information following this introduction details the amount of asbestos present in this facility and the location of the ACBM (asbestos containing building materials). Although the report is a comprehensive analysis of the asbestos inspection work performed, it would be helpful to review all applicable federal, state and local rules, laws and regulations regarding the handling and treatment of ACBM.

The following is a list of suggested reading and information sources relating to asbestos:

- New York State Department of Labor Industrial Code Rule 56
- National Emission Standard for Hazardous Air Pollutants (NESHAPS)
- Occupational Safety and Health Administration
- (OSHA 1926.1101, 1910.134, 1910.1020, 1910.1200, 1910.145, 1910.95, 1926.58)
- Environmental Protection Agency rule CFR763.46 Asbestos Hazard Emergency Response Act



## 1.2 Executive Summary

The scope of services included the identification of suspect asbestos containing building materials in areas of planned renovations; sampling and analysis of the suspect materials; and identifying the locations, estimated quantities, and condition of the confirmed asbestos containing materials. Sampling and analysis of the suspect materials under Polarized Light Microscopy (PLM) and where necessary, under Transmission Electron Microscopy (TEM), revealed the following materials as asbestos containing building materials (ACBM):

### ASBESTOS CONTAINING MATERIALS SUMMARY

HAN	Material Description	SID (Space Identification Number)	Estimated Quantity SF*	Friability/ Condition
304	9" x 9" Floor Tile	1000, 2000 1000 Exterior West Side of Bldg. - See Note 1 and Note 2	5,500 sq. ft. (Intact) 2,500 sq. ft. (Debris) 600 sq. ft. Exterior Debris	NF/D-SD
306	Floor Tile Mastic	1000, 2000, 2001 - See Note 3	5,500 sq. ft. 800 sq. ft. residual	NF/D-SD
600	Window Caulk	Exterior Original Double Hung & Single Pane- 18 Windows	22 sq. ft.	NF/D
600A	Window Glaze	Exterior Original Double Hung & Single Pane- 15 Windows	15 sq. ft.	NF/D
604	Interior Window Tar	2000	25 sq. ft.	NF/D

\*Quantities are approximate, and are only associated with areas of planned renovation. Additional asbestos containing materials may be located outside areas of planned renovation that were not surveyed, assessed or quantified during this inspection.

#### INSPECTION NOTES:

**NOTE 1= 9" x 9" floor tile is found in SID 2000 under the OSB subfloor, there is evidence of drilling into this material. Any further drilling/anchoring into the subfloor should be done by a licensed asbestos abatement contractor.**

**NOTE 2= 9" x 9" floor tile debris is found in the front section of SID 1000. The approximate area of the debris field is 2,500 sq. ft. Additionally, there is floor tile debris located on the exterior West side of the building, this debris field is approximately 600 sq. ft. Any areas with debris greater than 10 sq. ft. present will require a site specific variance from New York State Dept. of Labor.**

**NOTE 3= There is approximately 800 sq. ft. of residual floor tile mastic found in SID 2001.**

**NOTE 4= Roof sampling was not included in scope of work.**

#### KEY TERMS AND DEFINITIONS:

HAN= Homogenous Area Number; number assigned to categorize materials of like composition, texture and appearance

SID=Space Identification Number: Sample Locations

Friability/Condition:

F= Friable: a material that when dry, can be crumbled, pulverized, or reduced to powder by hand pressure, or is capable of being released into the air by hand pressure.

NF= Non Friable: a material that when dry, cannot be crumbled, pulverized, or reduced to powder by hand pressure, or is incapable of being released into the air by hand pressure.

I= Intact: Asbestos material that has not crumbled, been pulverized, or otherwise been damaged or disturbed, and the material's matrix has not noticeably deteriorated.

D= Damaged: Asbestos material that has deteriorated or sustained physical injury demonstrated by separation of the ACM into layers, separation of the ACM from the substrate, flaking, blistering, crumbling, water damage, scrapes, gouges, or other signs of physical injury.

SD=Significantly Damaged: Damaged asbestos where the damage is extensive and severe.

ACM=Asbestos Containing Material: material analyzed and confirmed by laboratory to contain above 1% of asbestos

PACM= Presumed Asbestos Containing Material: this material was assumed to contain asbestos to either save the client on lab fees or because the material was adhered to another asbestos containing material (or adjacent to other materials needing abatement) and must be managed as such.



## 1.3 Purpose

The purpose of the asbestos inspection was to identify and quantify the types of asbestos containing building materials (ACBM) in areas of planned renovations only. Samples of the suspect materials were collected for analysis by an independent laboratory, and the condition of each material noted in relation to its potential to be disturbed. The potential for fiber release was also considered.

The report is generated for the exclusive use of Signature Development and its representatives or agents, and is not designed to serve as a specification for abatement. Before requesting bids for abatement of materials identified in this report, the owner is strongly encouraged to contract with a consultant to provide this valuable service. A specification assures that all contractors are bidding on the same methodology and following the specific requirements for the work to be performed.

The inspection was conducted by NYS DOL Certified Asbestos Inspectors John Doucette and David Batt on April 4<sup>th</sup>, 2019 and revealed the following suspect asbestos containing building materials:

## HOMOGENOUS MATERIALS & SAMPLE RESULTS

HAN	Suspect Asbestos Containing Material Description	SID (Space Identification Number)	Sample No.	ACM (Y/N)	Estimated Quantity SF*	Friability/ Condition
100A	Skim Coat Plaster	1000, 1001, 1002, 2000, 2001	100A-1, 100A-2, 100A-3	No	N/A	F/D-SD
100B	Base Coat Plaster	1000, 1001, 1002, 2000, 2001	100B-1, 100B-2, 100B-3,	No	N/A	F/D-SD
101	Drywall	2000	101-1, 101-2	No	N/A	NF/D
102A	White Wall Panel Mastic	1000	102A-1, 102A-2	No	N/A	NF/D
102B	Brown Wall Panel Mastic	1000	102B-1, 102B-2	No	N/A	NF/D
103	Light Weight Plaster	1000	103-1, 103-2, 103-3	No	N/A	F/D
300	6" x 6" Ceramic Tile Grout	1000	300-1, 300-2	No	N/A	NF/D
300A	6"x 6" Ceramic Tile Mudbed	1010	300A-1, 300A-2	No	N/A	NF/D
301	2" x 2" Ceramic Tile Grout	2001	301-1, 301-2	No	N/A	NF/D
301A	2" x 2" Ceramic Tile Mudbed	2001	301A-1, 301A-2	No	N/A	NF/D
<b>304</b>	<b>9 x 9 Floor Tile</b>	<b>1000, 2000 1000 Exterior West Side of Bldg. - See Note1 and Note 2</b>	<b>304-1, 304-2</b>	<b>Yes</b>	<b>5,500 sq. ft. (Intact) 2,500 sq. ft. (Interior Debris) 600 sq. ft. Exterior Debris</b>	<b>NF/D-SD</b>
305	Stair Tread	N/A	Samples not submitted	N/A	N/A	NF/D





## HOMOGENOUS MATERIALS & SAMPLE RESULTS (Continued)

HAN	Suspect Asbestos Containing Material Description	SID (Space Identification Number)	Sample No.	ACM (Y/N)	Estimated Quantity SF*	Friability/ Condition
306	Floor Tile Mastic	1000, 2000, 2001 See Note 3	306-1, 306-2	Yes	5,500 sq. ft. 800 sq. ft. residual	NF/D-SD
307	Linoleum Under Han 300	1000	307-1, 307-2	No	N/A	NF/D
600	Window Caulk	Exterior Original Double Hung & Single Pane - 18 Windows	600-1, 600-2	Yes	22 sq. ft.	NFD
600A	Window Glaze	Exterior Original Double Hung & Single Pane - 15 Windows	600A-1, 600A-2	Yes	15 sq. ft.	NF/D
602	Glass Block Window Bedding Compound	Exterior	602-1, 602-2	No	N/A	NF/D
602A	Glass Block Window Caulk	Exterior	602A-1, 602A-2	No	N/A	NF/D
604	Interior Window Tar	2000	604-1, 604-2	Yes	25 sq. ft.	NF/D
700	Roofing Debris	Exterior	700-1, 700-2	No	N/A	NF/D

\*Quantities are approximate, and are only associated with areas of planned renovation. Additional asbestos containing materials may be located outside areas of planned renovation that were not surveyed, assessed or quantified during this inspection.

### INSPECTION NOTES:

**NOTE 1=** 9" x 9" floor tile is found in SID 2000 under the OSB subfloor, there is evidence of drilling into this material. Any further drilling/anchoring into the subfloor should be done by a licensed asbestos abatement contractor.

**NOTE 2=** 9" x 9" floor tile debris is found in the front section of SID 1000. The approximate area of the debris field is 2,500 sq. ft. Additionally, there is floor tile debris located on the exterior West side of the building, this debris field is approximately 600 sq. ft. Any areas with debris greater than 10 sq. ft. present will require a site specific variance from New York State Dept. of Labor.

**NOTE 3=** There is approximately 800 sq. ft. of residual floor tile mastic found in SID 2001.

**NOTE 4=** Roof sampling was not included in scope of work.

The above listed table provides a list of the materials that were sampled and tested for asbestos by Polarized Light Microscopy (PLM) and or Transmission Electron Microscopy (TEM), as applicable. Any sample determined to be a non-friable organically bound material (NOB), and which was found to be negative by Polarized Light Microscopy (PLM) analysis, was then analyzed by Transmission Electron Microscopy (TEM) analysis at American Science Team New York Inc. (AmeriSci) in New York, New York. AmeriSci is an ELAP Certified laboratory (ID: 11480) and conducts analysis according to EPA Method 198.1, 198.4 and 198.6. See Section 2.0 for the laboratory's analytical results.



## 1.4 Methodology

All work performed by AMD Environmental Consultants, Inc. was conducted in accordance with applicable regulations, including New York State Department of Labor standards 12NYCRR Part 56, National Emission Standards for Hazardous Air Pollutants (NESHAPS), and Occupational Safety and Health Administration regulations 29CFR1910.1101 and 29CFR1910.134. All AMD personnel assigned to conduct inspections have completed the Environmental Protection Agency (EPA) required training and New York State Department of Labor Division of Safety and Health certification program.

Each suspect asbestos containing building material (ACBM) was assigned a homogenous area number (HAN). Homogeneous areas consist of materials of like composition, texture and appearance.

Based on the homogeneous areas, samples of suspect materials were collected. Techniques used for sample collection were designed to minimize damage to suspected areas, reduce any potential for fiber release, and ensure the safety of the inspector and building occupants. Samples were collected by AMD personnel using the following procedures:

1. The surface to be sampled was sprayed with amended water (detergent and water) as necessary
2. A plastic sample bag was held to the surface sampled
3. The sample was collected using tools appropriate to the friability of the material sampled
4. Sample bags were labeled with a unique sample identification number
5. Samples were recorded on a Chain of Custody form, and submitted under strict chain-of-custody procedures to American Science Team New York Inc. (AmeriSci) in New York, New York. AmeriSci is an ELAP and NYSDOH approved, certified laboratory for PLM and TEM analysis (ELAP ID: 11480).

Samples were first analyzed using PLM, Polarized Light Microscopy in accordance with US Environmental Protection Agency Interim Method, 40CFRpt763, Supt F, App A(7-1-87). For the sample results not considered definitive, additional analysis was performed under Transmission Electron Microscopy (TEM) in accordance with NYSDOH ELAP Item 198.4, for Non-friable Organically Bound Bulk Material (NOB). The results of these analyses confirmed whether or not a suspect materials actually contained asbestos. All materials sampled are summarized in Section 1.3 of this report; the presumed asbestos containing materials and materials containing asbestos above 1.0% are listed in Section 1.2.



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## 2.0 Laboratory Analytical Results

**AmeriSci New York**

117 EAST 30TH ST.  
NEW YORK, NY 10016  
TEL: (212) 679-8600 • FAX: (212) 679-3114

## PLM Bulk Asbestos Report

AMD Environmental Consultants, Inc.  
Attn: John Wolf  
712 Main Street  
Suite L1  
Buffalo, NY 14202

**Date Received** 04/05/19 **AmeriSci Job #** 219041606  
**Date Examined** 04/06/19 **P.O. #**  
**ELAP #** 11480 **Page** 1 **of** 8  
**RE:** 19-0404DB-A; 37 Chandler St.; 37 Chandler St., NY

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
100A-1 100A Location: 1000 - Skim Coat Plaster	219041606-01	No	NAD <sup>1</sup> (by NYS ELAP 198.1) by Ella Babayeva on 04/06/19
<b>Analyst Description:</b> White, Homogeneous, Non-Fibrous, Bulk Material <b>Asbestos Types:</b> <b>Other Material:</b> Non-fibrous 100 %			
100A-2 100A Location: 1000 - Skim Coat Plaster	219041606-02	No	NAD (by NYS ELAP 198.1) by Ella Babayeva on 04/06/19
<b>Analyst Description:</b> White, Homogeneous, Non-Fibrous, Bulk Material <b>Asbestos Types:</b> <b>Other Material:</b> Non-fibrous 100 %			
100A-3 100A Location: 1000 - Skim Coat Plaster	219041606-03	No	NAD (by NYS ELAP 198.1) by Ella Babayeva on 04/06/19
<b>Analyst Description:</b> White, Homogeneous, Non-Fibrous, Bulk Material <b>Asbestos Types:</b> <b>Other Material:</b> Non-fibrous 100 %			
100B-1 100B Location: 1000 - Base Coat Plaster	219041606-04	No	NAD (by NYS ELAP 198.1) by Ella Babayeva on 04/06/19
<b>Analyst Description:</b> Grey, Homogeneous, Non-Fibrous, Cementitious, Bulk Material <b>Asbestos Types:</b> <b>Other Material:</b> Non-fibrous 100 %			
100B-2 100B Location: 1000 - Base Coat Plaster	219041606-05	No	NAD (by NYS ELAP 198.1) by Ella Babayeva on 04/06/19
<b>Analyst Description:</b> Grey, Homogeneous, Non-Fibrous, Cementitious, Bulk Material <b>Asbestos Types:</b> <b>Other Material:</b> Non-fibrous 100 %			



**PLM Bulk Asbestos Report**

19-0404DB-A; 37 Chandler St.; 37 Chandler St., NY

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
100B-3 100B	219041606-06 Location: 1000 - Base Coat Plaster	No	NAD (by NYS ELAP 198.1) by Ella Babayeva on 04/06/19
<b>Analyst Description:</b> Grey, Homogeneous, Non-Fibrous, Cementitious, Bulk Material <b>Asbestos Types:</b> <b>Other Material:</b> Non-fibrous 100 %			
101-1 101	219041606-07 Location: 2000 - Drywall	No	NAD (by NYS ELAP 198.1) by Ella Babayeva on 04/06/19
<b>Analyst Description:</b> Brown/Grey, Homogeneous, Fibrous, Bulk Material <b>Asbestos Types:</b> <b>Other Material:</b> Cellulose 20 %, Non-fibrous 80 %			
101-2 101	219041606-08 Location: 2000 - Drywall	No	NAD (by NYS ELAP 198.1) by Ella Babayeva on 04/06/19
<b>Analyst Description:</b> Brown/Grey, Homogeneous, Fibrous, Bulk Material <b>Asbestos Types:</b> <b>Other Material:</b> Cellulose 25 %, Non-fibrous 75 %			
102A-1 102A	219041606-09 Location: 1000 - Wall Panel Mastic - White	No	NAD (by NYS ELAP 198.6) by Ella Babayeva on 04/06/19
<b>Analyst Description:</b> White, Homogeneous, Non-Fibrous, Bulk Material <b>Asbestos Types:</b> <b>Other Material:</b> Non-fibrous 5.6 %			
102A-2 102A	219041606-10 Location: 1000 - Wall Panel Mastic - White	No	NAD (by NYS ELAP 198.6) by Ella Babayeva on 04/06/19
<b>Analyst Description:</b> White, Homogeneous, Non-Fibrous, Bulk Material <b>Asbestos Types:</b> <b>Other Material:</b> Non-fibrous 12.7 %			
102B-1 102B	219041606-11 Location: 1000 - Wall Panel Mastic - Brown	No	NAD (by NYS ELAP 198.6) by Ella Babayeva on 04/06/19
<b>Analyst Description:</b> Brown, Homogeneous, Non-Fibrous, Bulk Material <b>Asbestos Types:</b> <b>Other Material:</b> Non-fibrous 22.3 %			

**PLM Bulk Asbestos Report**

19-0404DB-A; 37 Chandler St.; 37 Chandler St., NY

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
102B-2 102B	219041606-12 Location: 1000 - Wall Panel Mastic - Brown	No	NAD (by NYS ELAP 198.6) by Ella Babayeva on 04/06/19
<b>Analyst Description:</b> Brown, Homogeneous, Non-Fibrous, Bulk Material <b>Asbestos Types:</b> <b>Other Material:</b> Non-fibrous 22.5 %			
103-1 103	219041606-13 Location: 1000 - Light Weight Plaster	No	NAD (by NYS ELAP 198.1) by Ella Babayeva on 04/06/19
<b>Analyst Description:</b> Grey, Homogeneous, Non-Fibrous, Bulk Material <b>Asbestos Types:</b> <b>Other Material:</b> Non-fibrous 100 %			
103-2 103	219041606-14 Location: 1000 - Light Weight Plaster	No	NAD (by NYS ELAP 198.1) by Ella Babayeva on 04/06/19
<b>Analyst Description:</b> Grey, Homogeneous, Non-Fibrous, Bulk Material <b>Asbestos Types:</b> <b>Other Material:</b> Non-fibrous 100 %			
103-3 103	219041606-15 Location: 1000 - Light Weight Plaster	No	NAD (by NYS ELAP 198.1) by Ella Babayeva on 04/06/19
<b>Analyst Description:</b> Grey, Homogeneous, Non-Fibrous, Bulk Material <b>Asbestos Types:</b> <b>Other Material:</b> Non-fibrous 100 %			
300-1 300	219041606-16 Location: 1000 - 6 X 6 Ceramic Tile Grout	No	NAD (by NYS ELAP 198.1) by Ella Babayeva on 04/06/19
<b>Analyst Description:</b> Grey, Homogeneous, Non-Fibrous, Cementitious, Bulk Material <b>Asbestos Types:</b> <b>Other Material:</b> Non-fibrous 100 %			
300-2 300	219041606-17 Location: 1000 - 6 X 6 Ceramic Tile Grout	No	NAD (by NYS ELAP 198.1) by Ella Babayeva on 04/06/19
<b>Analyst Description:</b> Grey, Homogeneous, Non-Fibrous, Cementitious, Bulk Material <b>Asbestos Types:</b> <b>Other Material:</b> Non-fibrous 100 %			



**PLM Bulk Asbestos Report**

19-0404DB-A; 37 Chandler St.; 37 Chandler St., NY

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
300A-1 300A	219041606-18 Location: 1000 - 6 X 6 Ceramic Tile Mud Bed	No	NAD (by NYS ELAP 198.1) by Ella Babayeva on 04/06/19
<b>Analyst Description:</b> Grey, Homogeneous, Non-Fibrous, Cementitious, Bulk Material <b>Asbestos Types:</b> <b>Other Material:</b> Non-fibrous 100 %			
300A-2 300A	219041606-19 Location: 1000 - 6 X 6 Ceramic Tile Mud Bed	No	NAD (by NYS ELAP 198.1) by Ella Babayeva on 04/06/19
<b>Analyst Description:</b> Grey, Homogeneous, Non-Fibrous, Cementitious, Bulk Material <b>Asbestos Types:</b> <b>Other Material:</b> Non-fibrous 100 %			
301-1 301	219041606-20 Location: 2001 - 2 X 2 Ceramic Tile Grout	No	NAD (by NYS ELAP 198.1) by Ella Babayeva on 04/06/19
<b>Analyst Description:</b> Grey, Homogeneous, Non-Fibrous, Cementitious, Bulk Material <b>Asbestos Types:</b> <b>Other Material:</b> Non-fibrous 100 %			
301-2 301	219041606-21 Location: 2001 - 2 X 2 Ceramic Tile Grout	No	NAD (by NYS ELAP 198.1) by Ella Babayeva on 04/06/19
<b>Analyst Description:</b> Grey, Homogeneous, Non-Fibrous, Cementitious, Bulk Material <b>Asbestos Types:</b> <b>Other Material:</b> Non-fibrous 100 %			
301A-1 301A	219041606-22 Location: 2001 - 2 X 2 Ceramic Tile Mud Bed	No	NAD (by NYS ELAP 198.1) by Ella Babayeva on 04/06/19
<b>Analyst Description:</b> Grey, Homogeneous, Non-Fibrous, Cementitious, Bulk Material <b>Asbestos Types:</b> <b>Other Material:</b> Non-fibrous 100 %			
301A-2 301A	219041606-23 Location: 2001 - 2 X 2 Ceramic Tile Mud Bed	No	NAD (by NYS ELAP 198.1) by Ella Babayeva on 04/06/19
<b>Analyst Description:</b> Grey, Homogeneous, Non-Fibrous, Cementitious, Bulk Material <b>Asbestos Types:</b> <b>Other Material:</b> Non-fibrous 100 %			

**PLM Bulk Asbestos Report**

19-0404DB-A; 37 Chandler St.; 37 Chandler St., NY

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
304-1 304	219041606-24 Location: 1000 - 9 X 9 Floor Tile	Yes	8.7 % (by NYS ELAP 198.6) by Ella Babayeva on 04/06/19
<b>Analyst Description:</b> Grey, Homogeneous, Non-Fibrous, Bulk Material <b>Asbestos Types:</b> Chrysotile 8.7 % <b>Other Material:</b> Non-fibrous 45.6 %			
304-2 304	219041606-25 Location: 1000 - 9 X 9 Floor Tile		NA/PS
<b>Analyst Description:</b> Bulk Material <b>Asbestos Types:</b> <b>Other Material:</b>			
306-1 306	219041606-26 Location: 1000 - Floor Tile Mastic	Yes	2.1 % (by NYS ELAP 198.6) by Ella Babayeva on 04/06/19
<b>Analyst Description:</b> Black, Homogeneous, Non-Fibrous, Bulk Material <b>Asbestos Types:</b> Chrysotile 2.1 % <b>Other Material:</b> Non-fibrous 34.4 %			
306-2 306	219041606-27 Location: 1000 - Floor Tile Mastic		NA/PS
<b>Analyst Description:</b> Bulk Material <b>Asbestos Types:</b> <b>Other Material:</b>			
307-1 307	219041606-28 Location: 1000 - Linoleum Under HAN 300	No	NAD (by NYS ELAP 198.6) by Ella Babayeva on 04/06/19
<b>Analyst Description:</b> Beige, Homogeneous, Non-Fibrous, Bulk Material <b>Asbestos Types:</b> <b>Other Material:</b> Non-fibrous 15.1 %			
307-2 307	219041606-29 Location: 1000 - Linoleum Under HAN 300	No	NAD (by NYS ELAP 198.6) by Ella Babayeva on 04/06/19
<b>Analyst Description:</b> Beige, Homogeneous, Non-Fibrous, Bulk Material <b>Asbestos Types:</b> <b>Other Material:</b> Non-fibrous 16.3 %			

**PLM Bulk Asbestos Report**

19-0404DB-A; 37 Chandler St.; 37 Chandler St., NY

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
600-1 600	219041606-30 Location: Exterior - Original Window Caulk	Yes	2.1 % (by NYS ELAP 198.6) by Ella Babayeva on 04/06/19
<b>Analyst Description:</b> Tan, Homogeneous, Non-Fibrous, Bulk Material <b>Asbestos Types:</b> Chrysotile 2.1 % <b>Other Material:</b> Non-fibrous 10.9 %			
600-2 600	219041606-31 Location: Exterior - Original Window Caulk		NA/PS
<b>Analyst Description:</b> Bulk Material <b>Asbestos Types:</b> <b>Other Material:</b>			
600A-1 600A	219041606-32 Location: Exterior - Original Window Glaze	Yes	2.3 % (by NYS ELAP 198.6) by Ella Babayeva on 04/06/19
<b>Analyst Description:</b> White, Homogeneous, Non-Fibrous, Bulk Material <b>Asbestos Types:</b> Chrysotile 2.3 % <b>Other Material:</b> Non-fibrous 11.1 %			
600A-2 600A	219041606-33 Location: Exterior - Original Window Glaze		NA/PS
<b>Analyst Description:</b> Bulk Material <b>Asbestos Types:</b> <b>Other Material:</b>			
602-1 602	219041606-34 Location: Exterior - Glass Block Window Bedding Compound	No	NAD (by NYS ELAP 198.1) by Ella Babayeva on 04/06/19
<b>Analyst Description:</b> White, Homogeneous, Non-Fibrous, Bulk Material <b>Asbestos Types:</b> <b>Other Material:</b> Non-fibrous 100 %			
602-2 602	219041606-35 Location: Exterior - Glass Block Window Bedding Compound	No	NAD (by NYS ELAP 198.1) by Ella Babayeva on 04/06/19
<b>Analyst Description:</b> White, Homogeneous, Non-Fibrous, Bulk Material <b>Asbestos Types:</b> <b>Other Material:</b> Non-fibrous 100 %			



**PLM Bulk Asbestos Report**

19-0404DB-A; 37 Chandler St.; 37 Chandler St., NY

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
602A-1 602A	219041606-36 Location: Exterior - Glass Block Window Caulk	No	NAD (by NYS ELAP 198.6) by Ella Babayeva on 04/06/19
<b>Analyst Description:</b> Grey, Homogeneous, Non-Fibrous, Bulk Material <b>Asbestos Types:</b> <b>Other Material:</b> Non-fibrous 20 %			
602A-2 602A	219041606-37 Location: Exterior - Glass Block Window Caulk	No	NAD (by NYS ELAP 198.6) by Ella Babayeva on 04/06/19
<b>Analyst Description:</b> Grey, Homogeneous, Non-Fibrous, Bulk Material <b>Asbestos Types:</b> <b>Other Material:</b> Non-fibrous 21.2 %			
604-1 604	219041606-38 Location: 2000 - Tar At Windows	Yes	4.3 % (by NYS ELAP 198.6) by Ella Babayeva on 04/06/19
<b>Analyst Description:</b> Black, Homogeneous, Non-Fibrous, Bulk Material <b>Asbestos Types:</b> Chrysotile 4.3 % <b>Other Material:</b> Non-fibrous 30.4 %			
604-2 604	219041606-39 Location: 2000 - Tar At Windows		NA/PS
<b>Analyst Description:</b> Bulk Material <b>Asbestos Types:</b> <b>Other Material:</b>			
700-1 700	219041606-40 Location: Exterior - Roofing Debris	No	NAD (by NYS ELAP 198.6) by Ella Babayeva on 04/06/19
<b>Analyst Description:</b> Black, Heterogeneous, Non-Fibrous, Bulk Material <b>Asbestos Types:</b> <b>Other Material:</b> Non-fibrous 7.2 %			
700-2 700	219041606-41 Location: Exterior - Roofing Debris	No	NAD (by NYS ELAP 198.6) by Ella Babayeva on 04/06/19
<b>Analyst Description:</b> Black, Homogeneous, Non-Fibrous, Bulk Material <b>Asbestos Types:</b> <b>Other Material:</b> Non-fibrous 7.7 %			


## PLM Bulk Asbestos Report

19-0404DB-A; 37 Chandler St.; 37 Chandler St., NY

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### Reporting Notes:

(1) This job was - Analyzed using Olympus BH-2 Polar Scope S/N 229003

Analyzed by: Ella Babayeva 

\*NAD/NSD =no asbestos detected; NA =not analyzed; NA/PS=not analyzed/positive stop, (SOF-V) = Sprayed On Fireproofing containing Vermiculite; (SM-V) = Surfacing Material containing Vermiculite; PLM Bulk Asbestos Analysis by Appd E to Subpt E, 40 CFR 763 (NVLAP 200546-0), ELAP PLM Method 198.1 for NY friable samples, which includes the identification and quantitation of vermiculite or 198.6 for NOB samples or EPA 400 pt ct by Appd E to Subpt E, 40 CFR 763 (NY ELAP Lab 11480); Note:PLM is not consistently reliable in detecting asbestos in floor coverings and similar non-friable organically bound materials. NAD or Trace results by PLM are inconclusive, TEM is currently the only method that can be used to determine if this material can be considered or treated as non asbestos-containing in NY State (also see EPA Advisory for floor tile, FR 59,146,38970,8/1/94) National Institute of Standards and Technology Accreditation requirements mandate that this report must not be reproduced except in full without the approval of the lab.This PLM report relates ONLY to the items tested. AIHA-LAP, LLC Lab ID 102843, RI Cert AAL-094, CT Cert PH-0186, Mass Cert AA000054.

Reviewed By: \_\_\_\_\_

19-0404DB-A

END OF REPORT \_\_\_\_\_

16

37 Chandler St.

**Table I**  
**Summary of Bulk Asbestos Analysis Results**  
 19-0404DB-A; 37 Chandler St.; 37 Chandler St., NY

19-0404DB-A

AmeriSci Sample #	Client Sample#	HG Area	Sample Weight (gram)	Heat Sensitive Organic %	Acid Soluble Inorganic %	Insoluble Non-Asbestos Inorganic %	** Asbestos % by PLM/DS	** Asbestos % by TEM
01	100A-1	100A	---	---	---	---	NAD	NA
Location: 1000 - Skim Coat Plaster								
02	100A-2	100A	---	---	---	---	NAD	NA
Location: 1000 - Skim Coat Plaster								
03	100A-3	100A	---	---	---	---	NAD	NA
Location: 1000 - Skim Coat Plaster								
04	100B-1	100B	---	---	---	---	NAD	NA
Location: 1000 - Base Coat Plaster								
05	100B-2	100B	---	---	---	---	NAD	NA
Location: 1000 - Base Coat Plaster								
06	100B-3	100B	---	---	---	---	NAD	NA
Location: 1000 - Base Coat Plaster								
07	101-1	101	---	---	---	---	NAD	NA
Location: 2000 - Drywall								
08	101-2	101	---	---	---	---	NAD	NA
Location: 2000 - Drywall								
09	102A-1	102A	0.197	46.7	47.7	5.6	NAD	NAD
Location: 1000 - Wall Panel Mastic - White								
10	102A-2	102A	0.110	42.7	44.5	12.7	NAD	NAD
Location: 1000 - Wall Panel Mastic - White								
11	102B-1	102B	0.296	24.0	53.7	22.3	NAD	NAD
Location: 1000 - Wall Panel Mastic - Brown								
12	102B-2	102B	0.320	24.1	53.4	22.5	NAD	NAD
Location: 1000 - Wall Panel Mastic - Brown								
13	103-1	103	---	---	---	---	NAD	NA
Location: 1000 - Light Weight Plaster								
14	103-2	103	---	---	---	---	NAD	NA
Location: 1000 - Light Weight Plaster								
15	103-3	103	---	---	---	---	NAD	NA
Location: 1000 - Light Weight Plaster								
16	300-1	300	---	---	---	---	NAD	NA
Location: 1000 - 6 X 6 Ceramic Tile Grout								

37 Chandler St.

**Table I**  
**Summary of Bulk Asbestos Analysis Results**  
 19-0404DB-A; 37 Chandler St.; 37 Chandler St., NY

19-0404DB-A

AmeriSci Sample #	Client Sample#	HG Area	Sample Weight (gram)	Heat Sensitive Organic %	Acid Soluble Inorganic %	Insoluble Non-Asbestos Inorganic %	** Asbestos % by PLM/DS	** Asbestos % by TEM
17	300-2	300	---	----	----	----	NAD	NA
Location:	1000 - 6 X 6 Ceramic Tile Grout							
18	300A-1	300A	---	----	----	----	NAD	NA
Location:	1000 - 6 X 6 Ceramic Tile Mud Bed							
19	300A-2	300A	---	----	----	----	NAD	NA
Location:	1000 - 6 X 6 Ceramic Tile Mud Bed							
20	301-1	301	---	----	----	----	NAD	NA
Location:	2001 - 2 X 2 Ceramic Tile Grout							
21	301-2	301	---	----	----	----	NAD	NA
Location:	2001 - 2 X 2 Ceramic Tile Grout							
22	301A-1	301A	---	----	----	----	NAD	NA
Location:	2001 - 2 X 2 Ceramic Tile Mud Bed							
23	301A-2	301A	---	----	----	----	NAD	NA
Location:	2001 - 2 X 2 Ceramic Tile Mud Bed							
24	304-1	304	0.230	26.1	19.6	45.6	Chrysotile 8.7	NA
Location:	1000 - 9 X 9 Floor Tile							
25	304-2	304	0.282	26.2	21.6	52.1	NA/PS	NA
Location:	1000 - 9 X 9 Floor Tile							
26	306-1	306	0.156	47.4	16.0	34.4	Chrysotile 2.1	NA
Location:	1000 - Floor Tile Mastic							
27	306-2	306	0.224	55.8	10.7	33.5	NA/PS	NA
Location:	1000 - Floor Tile Mastic							
28	307-1	307	0.185	35.1	49.7	15.1	NAD	NAD
Location:	1000 - Linoleum Under HAN 300							
29	307-2	307	0.283	38.2	45.6	16.3	NAD	NAD
Location:	1000 - Linoleum Under HAN 300							
30	600-1	600	0.154	19.5	67.5	10.9	Chrysotile 2.1	NA
Location:	Exterior - Original Window Caulk							
31	600-2	600	0.219	18.7	69.4	11.9	NA/PS	NA
Location:	Exterior - Original Window Caulk							
32	600A-1	600A	0.217	10.6	76.0	11.1	Chrysotile 2.3	NA
Location:	Exterior - Original Window Glaze							

37 Chandler St.



**Table I**  
**Summary of Bulk Asbestos Analysis Results**  
 19-0404DB-A; 37 Chandler St.; 37 Chandler St., NY

19-0404DB-A

AmeriSci Sample #	Client Sample#	HG Area	Sample Weight (gram)	Heat Sensitive Organic %	Acid Soluble Inorganic %	Insoluble Non-Asbestos Inorganic %	** Asbestos % by PLM/DS	** Asbestos % by TEM
33	600A-2	600A	0.266	9.4	77.1	13.5	NA/PS	NA
Location:	Exterior - Original Window Glaze							
34	602-1	602	----	----	----	----	NAD	NA
Location:	Exterior - Glass Block Window Bedding Compound							
35	602-2	602	----	----	----	----	NAD	NA
Location:	Exterior - Glass Block Window Bedding Compound							
36	602A-1	602A	0.160	20.0	60.0	20.0	NAD	NAD
Location:	Exterior - Glass Block Window Caulk							
37	602A-2	602A	0.151	19.2	59.6	21.2	NAD	NAD
Location:	Exterior - Glass Block Window Caulk							
38	604-1	604	0.401	47.4	18.0	30.4	Chrysotile 4.3	NA
Location:	2000 - Tar At Windows							
39	604-2	604	0.312	44.9	10.9	44.2	NA/PS	NA
Location:	2000 - Tar At Windows							
40	700-1	700	0.278	85.6	7.2	7.2	NAD	NAD
Location:	Exterior - Roofing Debris							
41	700-2	700	0.247	83.8	8.5	7.7	NAD	NAD
Location:	Exterior - Roofing Debris							

Analyzed by: Feyza Gungor ; Date Analyzed 4/6/2019

\*\*Quantitative Analysis (Semi/Full): Bulk Asbestos Analysis - PLM by Appd E to Subpt E, 40 CFR 763 or ELAP 198.1 for New York friable samples or ELAP 198.6 for New York NOB samples; TEM (Semi/Full) by EPA 600/R-93/116 (or ELAP 198.4; for New York samples; NAD = no asbestos detected during a quantitative analysis; NA = not analyzed; Trace = <1%; (SOF-V) = Sprayed On Fireproofing containing Vermiculite; (SM-V) = Surfacing Material containing Vermiculite; Quantitation for beginning weights of <0.1 grams should be considered as qualitative only; Qualitative Analysis: Asbestos analysis results of "Present" or "NVA = No Visible Asbestos" represents results for Qualitative PLM or TEM Analysis only (no accreditation coverage available from any regulatory agency for qualitative analyses); NY-LAP (PLM) 200546-0, NYSDOH ELAP Lab 11480, AIHA-LAP, LLC (PLM) Lab ID 102843.

Warning Note: PLM limitation, only TEM will resolve fibers <0.25 micrometers in diameter. TEM bulk analysis is representative of the fine grained matrix material and may not be representative of non-uniformly dispersed debris for which PLM evaluation is recommended (i.e. soils and other heterogeneous materials).

Reviewed By: \_\_\_\_\_





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## 2.1 Analytical Key Terms and Definitions

**PLM:** Polarized Light Microscopy; type of analysis

**TEM:** Transmission Electron Microscopy; secondary analysis if applicable

**NOB:** Non-Friable Organically Bound; materials analyzed by PLM or TEM

**NAD:** No asbestos detected

**NA:** Not applicable

**PS:** Positive Stop

**Trace:** Less than 1% asbestos (Non ACM)

**ACM:** Asbestos Containing Material



**AMD**  
ENVIRONMENTAL

AMD Environmental Consultants, Inc.  
712 Main St. Suite L1  
Buffalo, NY 14202  
Office: 716-833-0043 Fax: 716-241-8689  
[www.amdenvironmental.com](http://www.amdenvironmental.com)

---

## 3.0 Sample Chain(s) of Custody

Relinquished By: David Batt Date/Time: 4/4/19  
 Received By: John Date/Time: 4/5/19 1050  
 Relinquished By: \_\_\_\_\_ Date/Time: \_\_\_\_\_  
 Received By: \_\_\_\_\_ Date/Time: \_\_\_\_\_

Company: **AMD Environmental**  
 Street Address: 712 Main Street, Suite L 1  
 City: Buffalo State: NY Zip: 14202  
 Phone: 716-833-0043 Cell: \_\_\_\_\_  
 Fax Results? Y ☐ Fax #: \_\_\_\_\_  
 Email Results? Y ☒ Email: to all parties listed below  
 Results to: jwolf@amdenv.com, anthony@amdenv.com,  
 Special Instructions or Comments:

admin@amdenv.com, dbatt@amdenv.com, john.doucette@amdenv.com

Lab ID	Field ID	Location
22	100A-1,2,3	1000
	100B-1,2,3	1000
	101-1,2	2000
	102A-1,2	1000
	102B-1,2	1000
	103-1,2,3	1000
	300-1,2	1000
	300A-1,2	1000
	301-1,2	2001
	301A-1,2	2001
	304-1,2	1000
	306-1,2	1000
	307-1,2	1000
37 Chandler St.	600-1,2	Exterior
	600A-1,2	Exterior
	602-1,2	Exterior
	602A-1,2	Exterior

**AMERISCI**  
 BULK CHAIN OF CUSTODY  
 AMERISCI NEW YORK  
 117 EAST 30TH STREET  
 NEW YORK, NY 10016  
 TOLL FREE: (800) 705-5227  
 PHONE: (212) 679-8600  
 FAX: (212) 679-9392  
 WWW.AMERISCI.COM

Project: 37 Chandler St Proj #: 19-C104DB-A  
 Proj Mgr: \_\_\_\_\_ Proj State: NY  
 Analysis: ☐ PLM; ☒ Positive Stop; ☐ TEM; ☒ NY ELAP PLM/TEM w/ NOB Prep.  
 ASTM Dust ☐ (Microvac) ☐ (Wipe); ☐ Qualitative; ☐ Other (describe in comments)  
 Turnaround Time: 72 hr Material Type: ☒ Bulk ☐ Dust ☐ Water  
 Sampled By: David Batt Date Sampled: 4/4/19

Sample Description (dust area)	Homogenous Area
5 Kim Coat Plaster	
Base Coat Plaster	
Dry wall	
Wall Panel Master-white	
Wall Panel Master-Brown	
Light Weight Plaster	
6x6 Ceramic tile great	
6x6 Ceramic tile Mudbed	
2x2 Ceramic tile great	
2x2 Ceramic tile Mudbed	
9x9 Floor-Tile	
Floor-Tile Master	
Linoleum under MAX300	
Original window Caulk	
Original window Glaze	
Glass block Window Bedding Compound	
Glass block Window Caulk	

**AMERI SCI**  
[WWW.AMERISCI.COM](http://WWW.AMERISCI.COM)

Date/Time:	4/4/19
Date/Time:	4/5/19 10:55
Date/Time:	
Date/Time:	

190404DB-A

Company: AMD Environmental

**Street Address:** 712 Main Street, Suite L 1

City: Buffalo State: NY Zip: 14202

Phone: 716-833-0043 Cell:

Phone: 716-833-0043

Fax Results? Y ☐ Fax #:

Email Results? Y ☒ Email: to all parties listed below

Results to: jwolf@amdenv.com, anthony@amdenv.com,

Special Instructions or Comments:

admin@amdenv.com, dbatt@amdenv.com, john.doucette@amdenv.com

[illegible]



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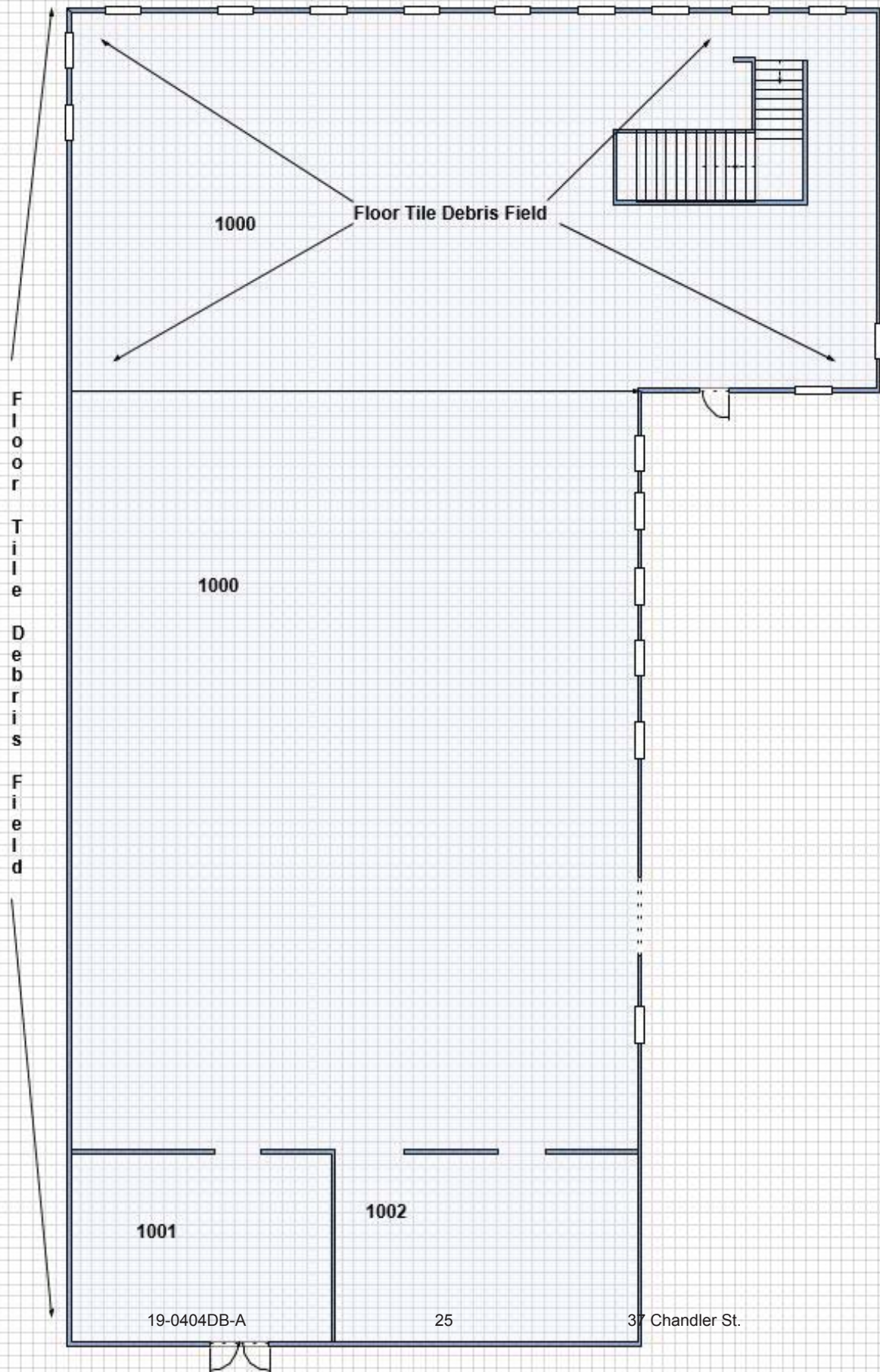
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## 4.0 Site Map(s)

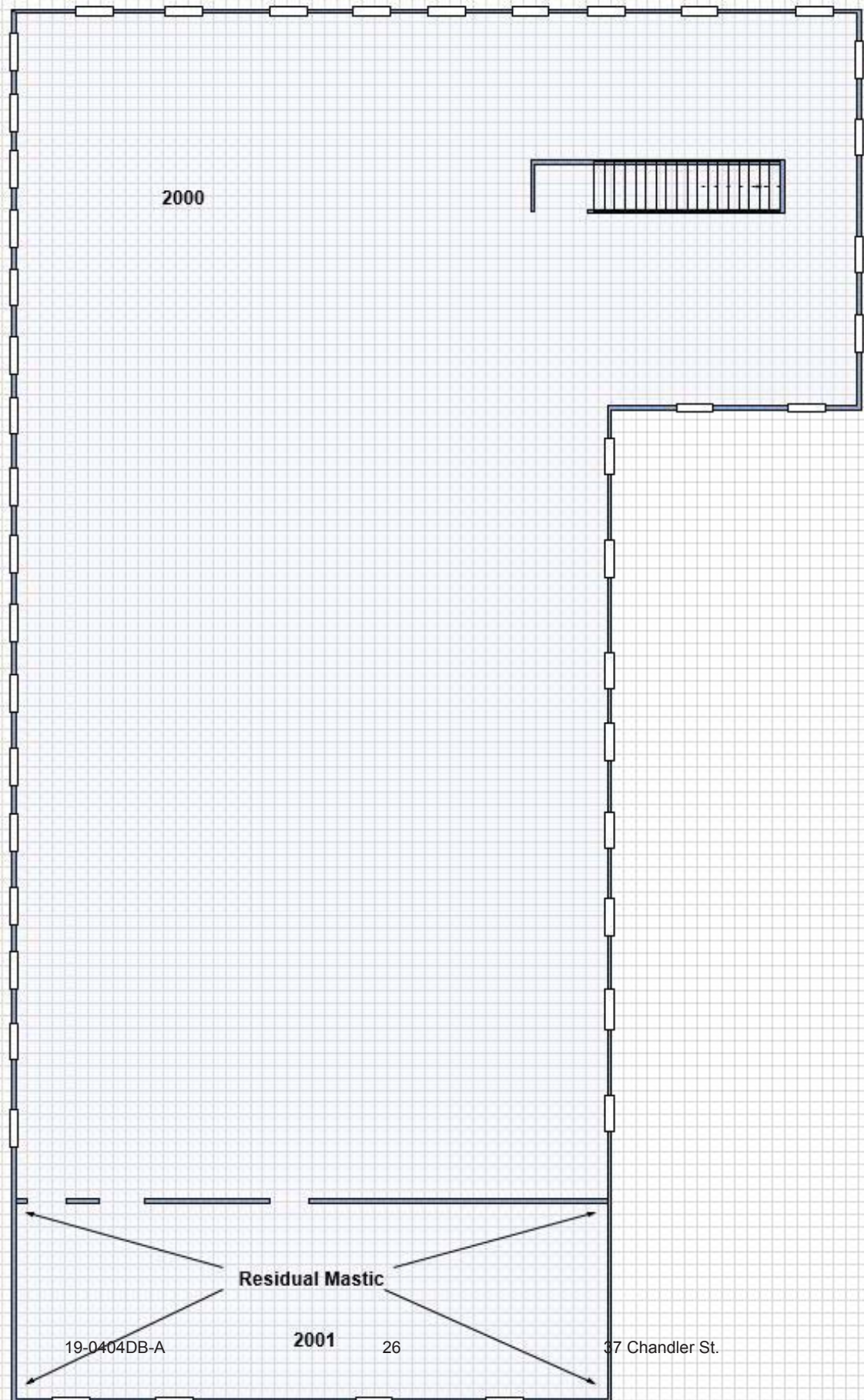


**AMD Environmental**  
**19-0404DB-A**  
**37 Chandler Street**  
**Buffalo, NY**

**1st Floor**



**AMD Environmental**  
**19-0404DB-A**  
**37 Chandler Street**  
**Buffalo, NY**







**Location:**

Interior

**Observation:**

Floor tile debris present in multiple locations found to contain asbestos.



**Location:**

Interior – SID 2000

**Observation:**

Asbestos containing tar present where window frame meets brick.



**Location:**  
Exterior 2<sup>nd</sup> Floor Level

**Observation:**  
Original double hung windows  
found to contain asbestos caulk  
and glaze.



**Location:**  
Interior – SID 2000

**Observation:**  
9"x9" Floor tile located under  
OSB board found to contain  
asbestos.



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---

## **Appendix A: Firm Certification and Personnel License(s)**





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**New York State – Department of Labor**

Division of Safety and Health  
License and Certificate Unit  
State Campus, Building 12  
Albany, NY 12240

**ASBESTOS HANDLING LICENSE**

AMD Environmental Consultants, Inc.  
Suite L1  
712 Main Street  
Buffalo, NY 14202

FILE NUMBER: 10-56177  
LICENSE NUMBER: 56177  
LICENSE CLASS: RESTRICTED  
DATE OF ISSUE: 11/14/2018  
EXPIRATION DATE: 11/30/2019

Duly Authorized Representative – Anthony DeMiglio:

This license has been issued in accordance with applicable provisions of Article 30 of the Labor Law of New York State and of the New York State Codes, Rules and Regulations (12 NYCRR Part 56). It is subject to suspension or revocation for a (1) serious violation of state, federal or local laws with regard to the conduct of an asbestos project, or (2) demonstrated lack of responsibility in the conduct of any job involving asbestos or asbestos material.

This license is valid only for the contractor named above and this license or a photocopy must be prominently displayed at the asbestos project worksite. This license verifies that all persons employed by the licensee on an asbestos project in New York State have been issued an Asbestos Certificate, appropriate for the type of work they perform, by the New York State Department of Labor.

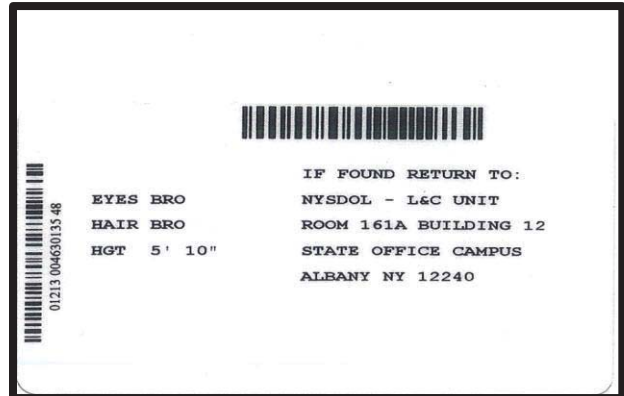
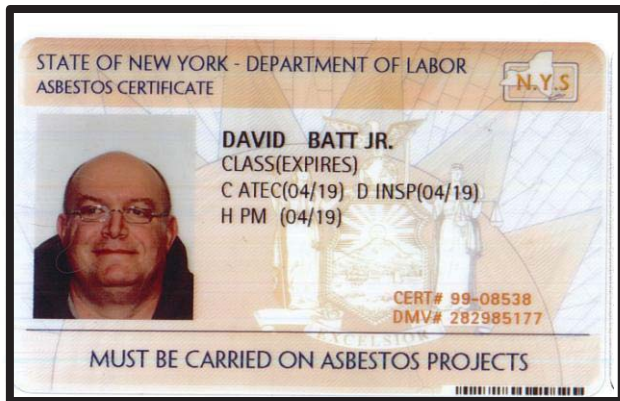
Eileen M. Franko, Director  
For the Commissioner of Labor

SH 432 (8/12)



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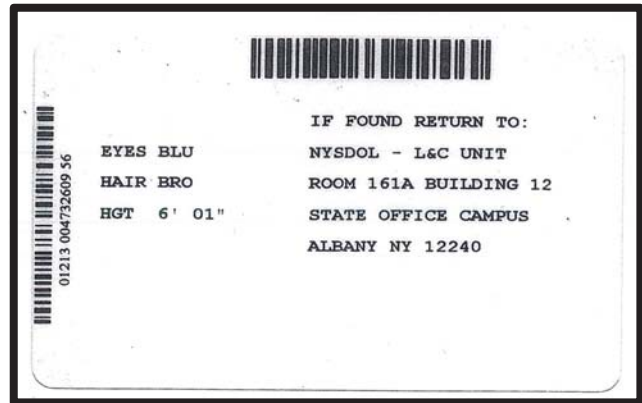
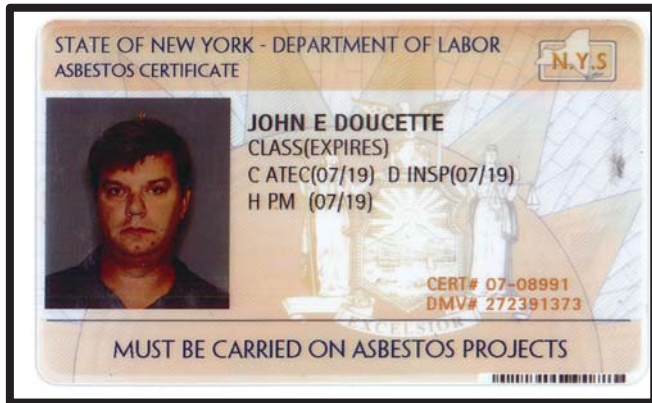
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## Appendix B: Laboratory Certification





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**NEW YORK STATE DEPARTMENT OF HEALTH  
WADSWORTH CENTER**



Expires 12:01 AM April 01, 2019  
Issued April 01, 2018

**CERTIFICATE OF APPROVAL FOR LABORATORY SERVICE**

*Issued in accordance with and pursuant to section 502 Public Health Law of New York State*

**MR. PAUL J. MUCHA**  
**AMERICA SCIENCE TEAM NEW YORK, INC**  
**117 EAST 30TH ST**  
**NEW YORK, NY 10016**

**NY Lab Id No: 11480**

*is hereby APPROVED as an Environmental Laboratory for the category  
ENVIRONMENTAL ANALYSES SOLID AND HAZARDOUS WASTE  
All approved subcategories and/or analytes are listed below:*

**Miscellaneous**

Asbestos in Friable Material	Item 198.1 of Manual
	EPA 600/M4/82/020
Asbestos in Non-Friable Material-PLM	Item 198.6 of Manual (NOB by PLM)
Asbestos in Non-Friable Material-TEM	Item 198.4 of Manual

**Serial No.: 57809**

Property of the New York State Department of Health. Certificates are valid only at the address shown, must be conspicuously posted, and are printed on secure paper. Continued accreditation depends on successful ongoing participation in the Program. Consumers are urged to call (518) 485-5570 to verify the laboratory's accreditation status.

Page 1 of 1